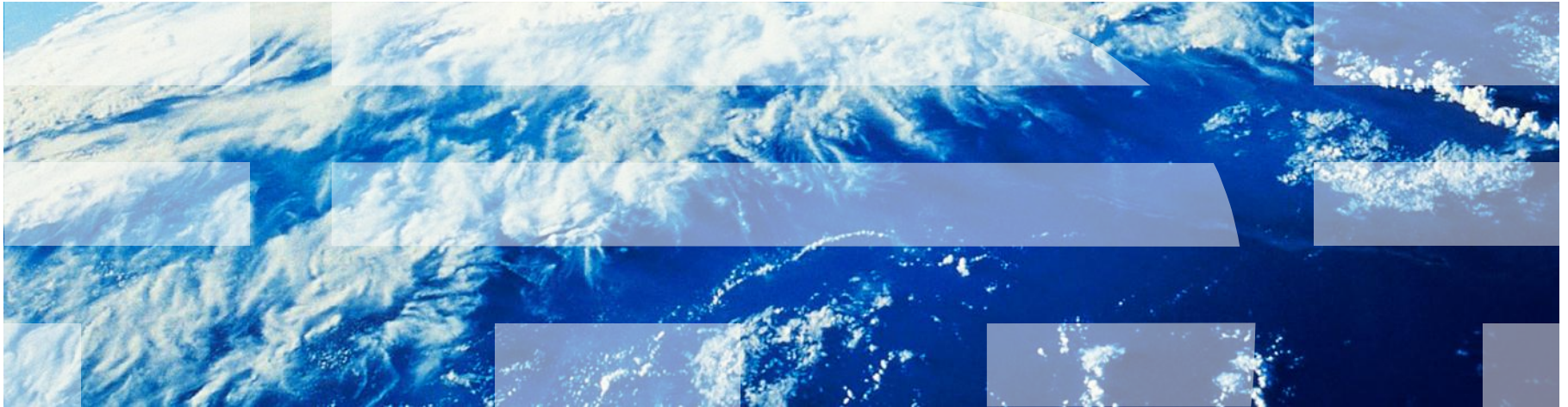


Netcool/OMNIBus Web GUI 7.3.1 Basic Overview



What is Netcool/OMNibus Web GUI

- OMNibus

Service level management (SLM) system that delivers real-time, centralized monitoring of complex networks and IT domains.

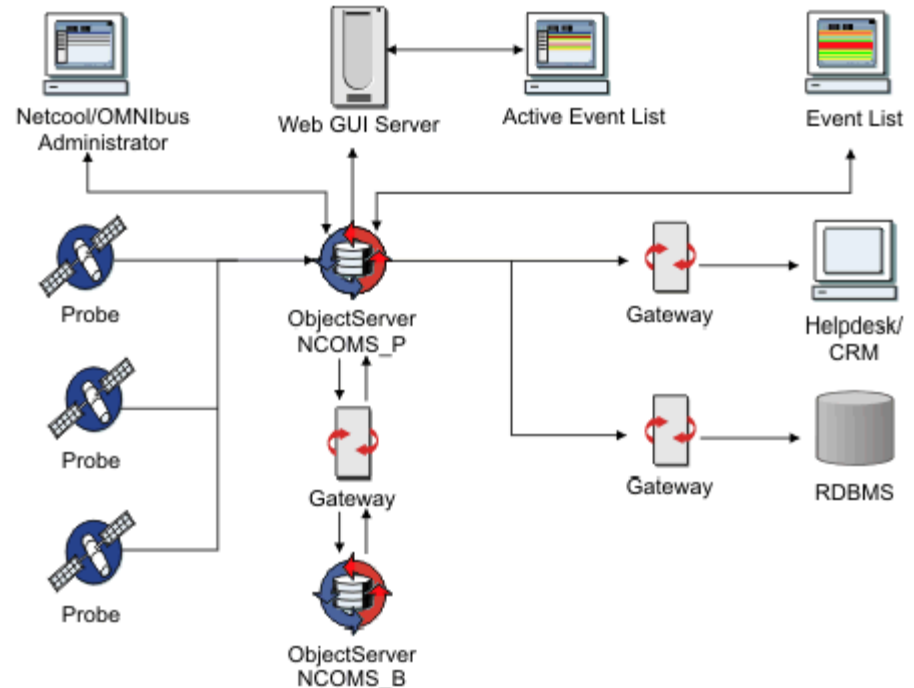
- ObjectServer

In-memory db server, events are forward from Probes and Gateways, stored, and managed in db tables. Events are displayed using Event List or Web GUI.

- Web GUI

web-based GUI for the ObjectServer

Tivoli Netcool/OMNibus component architecture



Webtop/Web GUI Version History

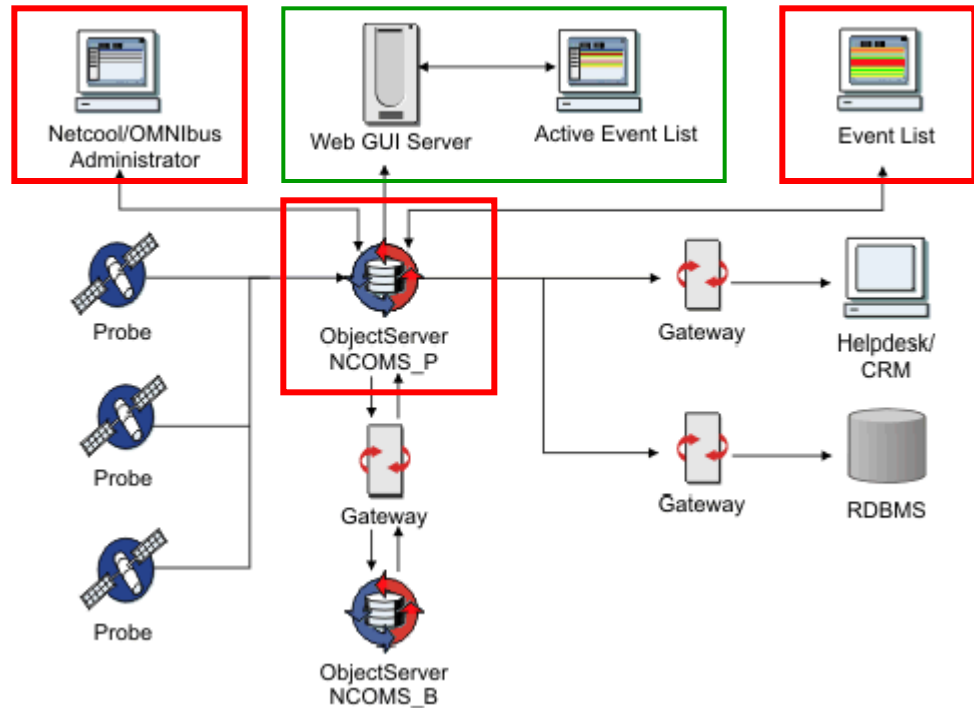
Name	Version	Notes
Webtop	1.3.1	Apache Tomcat
Webtop	2.0/2.1	Netcool Installer Apache Tomcat Netcool GUI Foundation (NGF) Netcool Security Manager (NCSM)
Webtop	2.2	Deployment Engine (DE) eWAS Tivoli Integrated Portal (TIP) Federated Repository
Omnibus Web GUI	7.3	Deployment Engine (DE) eWAS Tivoli Integrated Portal (TIP) Federated Repository
Omnibus Web GUI	7.3.1	Deployment Engine (DE) eWAS Tivoli Integrated Portal (TIP) Federated Repository



Steps

1. Download applications
2. Install Omnibus Core
3. Configure Omnibus Core
4. Install Web GUI
5. Configure Web GUI

Tivoli Netcool/OMNibus component architecture



Step 1 : Downloads

http://publib.boulder.ibm.com/infocenter/tivihelp/v8r1/topic/com.ibm.netcool_OMNibus.doc_7.3.1/webtop/wip/task/web_ins_obtainpackage.html

Main Installers

1. Core (ObjectServer, Administrator, etc)
2. Web GUI (i.e “Webtop”)

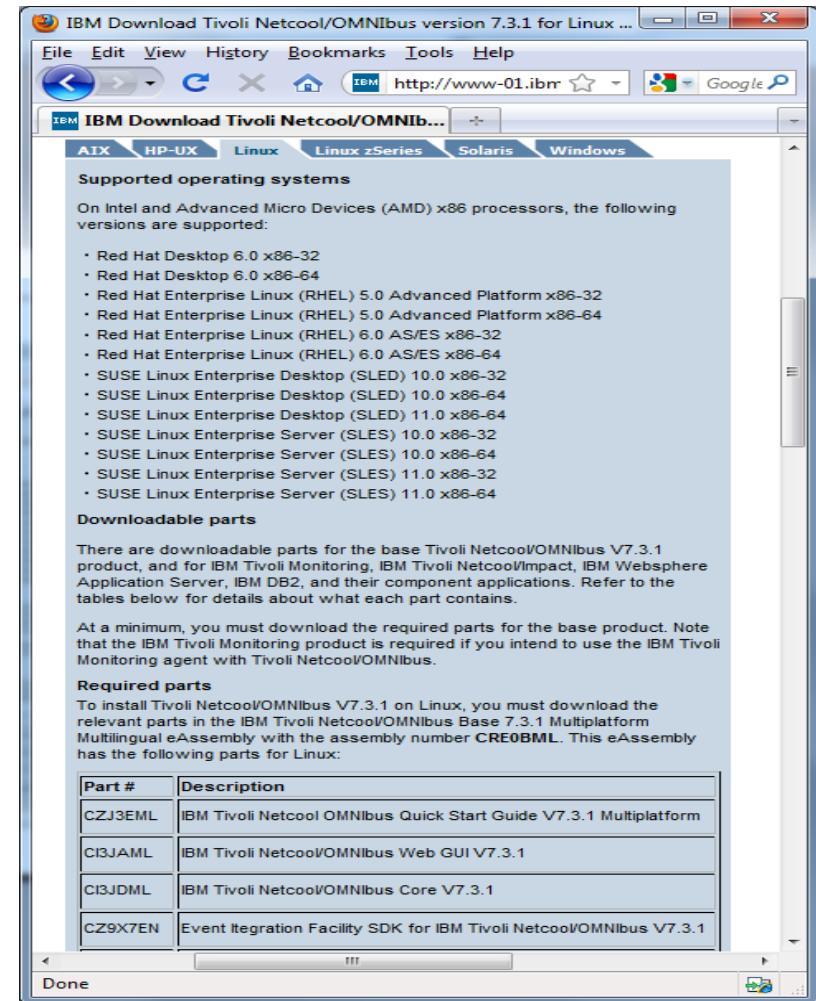
Download Sites

Passport Advantage (clients)

<http://www-01.ibm.com/software/lotus/passportadvantage/pacustomers.html>

Xtreme Leverage (IBMer)

<http://w3-103.ibm.com/software/xl/download/ticket.do>



Step 2 : Installation/Core – General Steps

General steps

1. Uncompress tarball
2. Prepare response file
3. Execute installation script

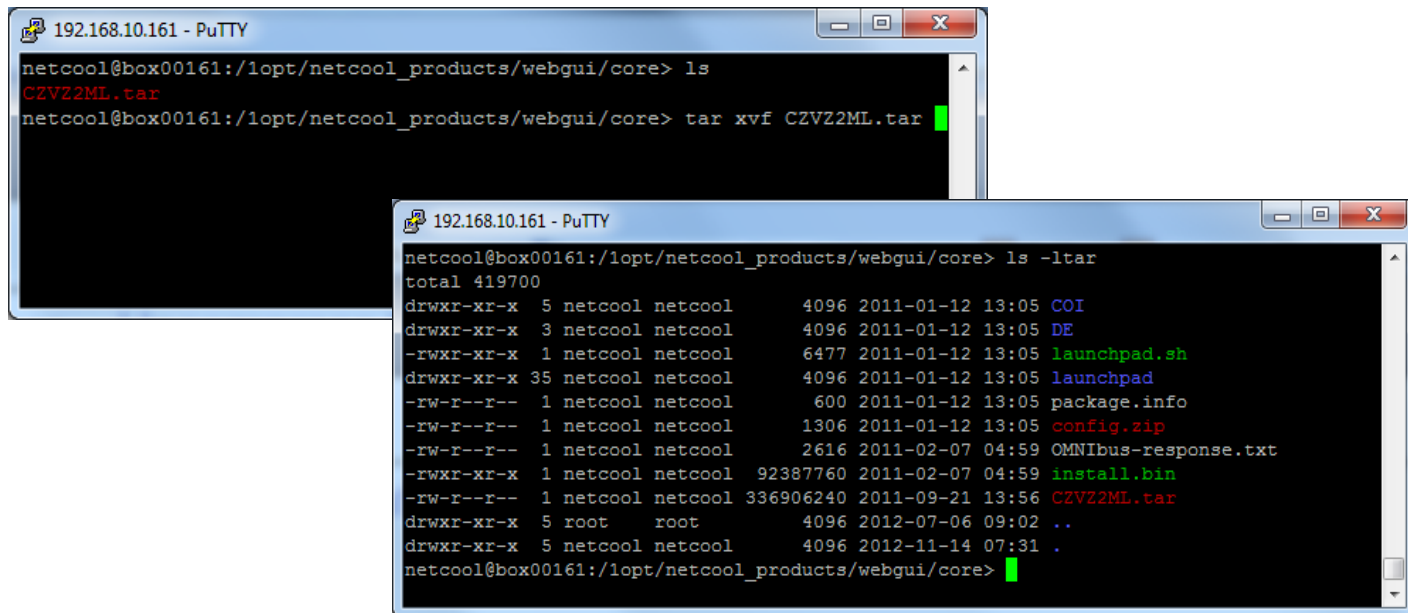
- Login as the non-root user. Do not switch from root to user.

Step 2.1 : Installation/Core – Uncompress tarball

Unzip tarball using non-root user (netcool)

```
tar xvf file.tar
```

- Use GTAR to extract the archives to avoid any long link problems
- Have plenty of hard drive space



The image shows two PuTTY terminal windows. The top window shows the user 'netcool' at IP '192.168.10.161' in the directory '/lopt/netcool_products/webgui/core'. They run 'ls' and see 'CZVZ2ML.tar'. Then they run 'tar xvf CZVZ2ML.tar'. The bottom window shows the same user and directory after the command. They run 'ls -ltar' and see a list of files including 'COI', 'DE', 'launchpad.sh', 'launchpad', 'package.info', 'config.zip', 'OMNibus-response.txt', 'install.bin', 'CZVZ2ML.tar', and two '..' entries.

```
192.168.10.161 - PuTTY
netcool@box00161:/lopt/netcool_products/webgui/core> ls
CZVZ2ML.tar
netcool@box00161:/lopt/netcool_products/webgui/core> tar xvf CZVZ2ML.tar

192.168.10.161 - PuTTY
netcool@box00161:/lopt/netcool_products/webgui/core> ls -ltar
total 419700
drwxr-xr-x  5 netcool netcool    4096 2011-01-12 13:05 COI
drwxr-xr-x  3 netcool netcool    4096 2011-01-12 13:05 DE
-rwxr-xr-x  1 netcool netcool   6477 2011-01-12 13:05 launchpad.sh
drwxr-xr-x 35 netcool netcool    4096 2011-01-12 13:05 launchpad
-rw-r--r--  1 netcool netcool     600 2011-01-12 13:05 package.info
-rw-r--r--  1 netcool netcool   1306 2011-01-12 13:05 config.zip
-rw-r--r--  1 netcool netcool   2616 2011-02-07 04:59 OMNibus-response.txt
-rwxr-xr-x  1 netcool netcool  92387760 2011-02-07 04:59 install.bin
-rw-r--r--  1 netcool netcool 336906240 2011-09-21 13:56 CZVZ2ML.tar
drwxr-xr-x  5 root    root      4096 2012-07-06 09:02 ..
drwxr-xr-x  5 netcool netcool    4096 2012-11-14 07:31 .
netcool@box00161:/lopt/netcool_products/webgui/core>
```

Step 2.2 : Installation/Core – Prepare response file

Installation Types

- GUI
- Console
- Silent

We will do silent, so a response file is needed.

The sample response file is OMNibus-response.txt.

The response file needs to be modified.

- Must modify default response file. It does not work LICENSE_ACCEPTED=false
- non-root user must have write access to the path specific in USER_INSTALL_DIR. Default is /opt/ibm/tivoli/netcool.

```

192.168.10.161 - PuTTY
#####
##
## InstallAnywhere variable to configure for silent install
##
## Usage: install.bin -i SILENT -f <FULL PATH to this file>
##
##
#####

INSTALLER_UI=SILENT

#----
#---- To install Netcool/OMNIBus you must accept the license agreement.
#----
#---- EXAMPLE: LICENSE_ACCEPTED=true
#----
#---- By changing false to true for LICENSE_ACCEPTED you have signified
#---- acceptance of the Netcool/OMNIBus 7.3.1 license agreement.
#----

LICENSE_ACCEPTED=true

#----
#---- To change where Netcool/OMNIBus will be installed use the following
#---- option to specify the FULLY QUALIFIED path. The default path is written
#---- below.
#----

USER_INSTALL_DIR=/lopt/stanford/install/opt/ibm/tivoli/netcool

#----
#---- To customize the silent installer uncomment the section below and set the
#---- variable CHOSEN_INSTALL_FEATURE_LIST to contain the features that you
#---- want to install. Do not insert any extra space before or after the
#---- feature names.
#----
#---- EXAMPLE :: To install only the desktop and server features using
#---- the silent installer set the CHOSEN_INSTALL_SET and
#---- CHOSEN_INSTALL_FEATURE_LIST to the following values:
#----
#---- CHOSEN_INSTALL_SET=Custom
#---- CHOSEN_INSTALL_FEATURE_LIST=nco_desktop_feature,nco_server_feature

#---- For a typical install, leave the section below commented.
#----

#CHOSEN_INSTALL_SET=Custom
#CHOSEN_INSTALL_FEATURE_LIST=nco_probe_support_feature,nco_server_feature,nco_d
esktop_feature

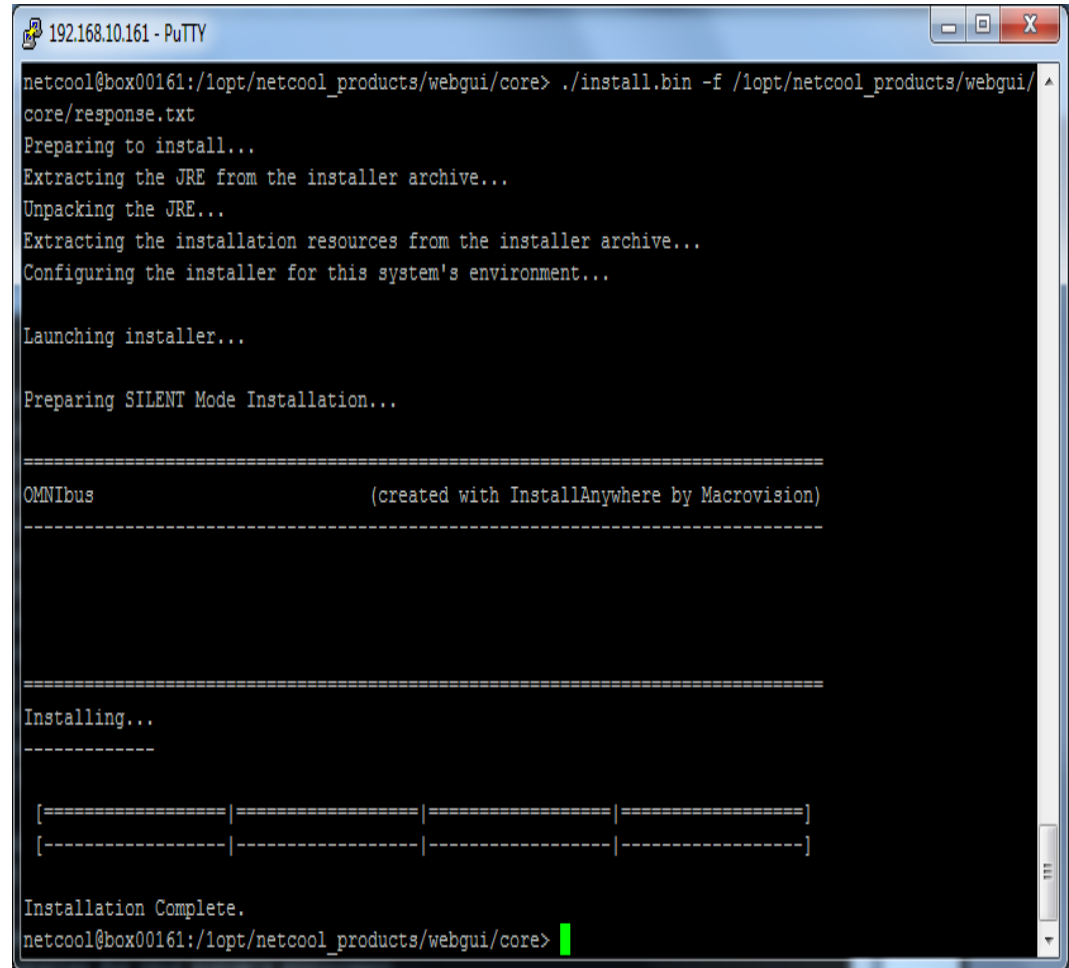
"response.txt" 75L, 2636C 1,0-1 Top

```


Step 2.3 : Installation/Core – Execute installation script

- Unset DISPLAY environmental variable (unset DISPLAY)
- Execute:
`./install.sh -f /full/path/to/response-file`

- Wait for the installer to complete. You could “tail -f /home/<user>/IA-Netcool-OMNIbus-<hostname>-<timestamp>.log” to see activities.



```
192.168.10.161 - PuTTY
netcool@box00161:/lopt/netcool_products/webgui/core> ./install.bin -f /lopt/netcool_products/webgui/
core/response.txt
Preparing to install...
Extracting the JRE from the installer archive...
Unpacking the JRE...
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...

Launching installer...

Preparing SILENT Mode Installation...

=====
OMNIbus                               (created with InstallAnywhere by Macrovision)
=====

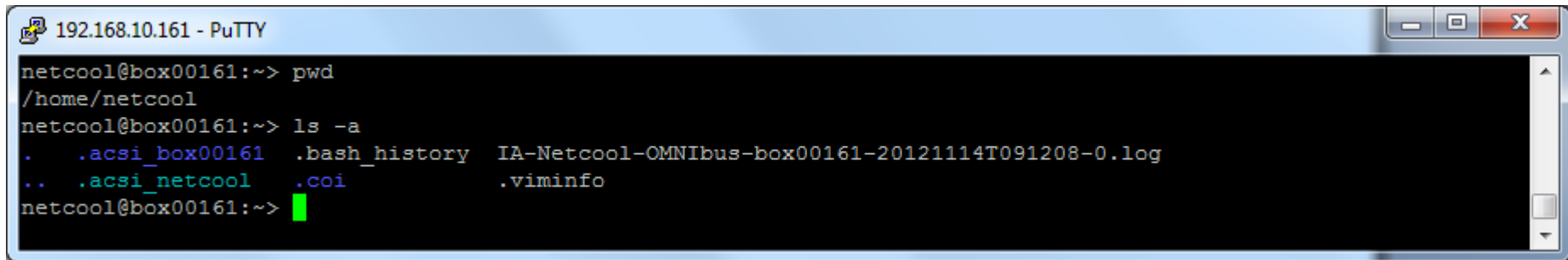
Installing...
-----

[=====|=====|=====|=====]
[-----|-----|-----|-----]

Installation Complete.
netcool@box00161:/lopt/netcool_products/webgui/core>
```

Post Installation/Core – Logs

- OMNibus: IA-Netcool-OMNibus-<hostname>-<timestamp>.log



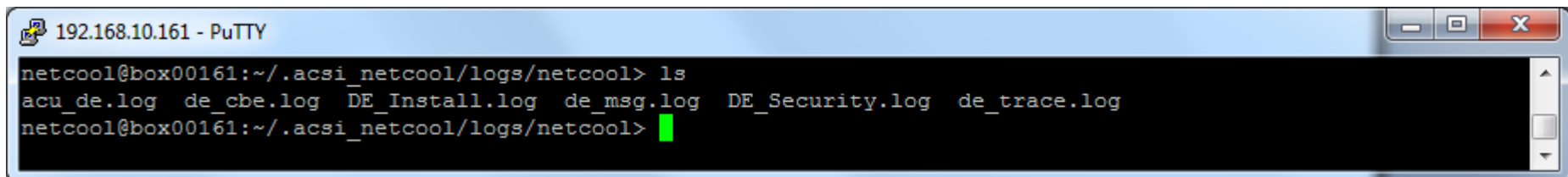
```
192.168.10.161 - PuTTY
netcool@box00161:~> pwd
/home/netcool
netcool@box00161:~> ls -a
.  .acsi_box00161  .bash_history  IA-Netcool-OMNibus-box00161-20121114T091208-0.log
.. .acsi_netcool  .coi           .viminfo
netcool@box00161:~>
```

- OMNibus – Summary log



```
192.168.10.161 - PuTTY
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool> ls
bin  etc  license  log  omnibus  OMNibus_InstallLog.log  platform  properties  _uninst  var
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool>
```

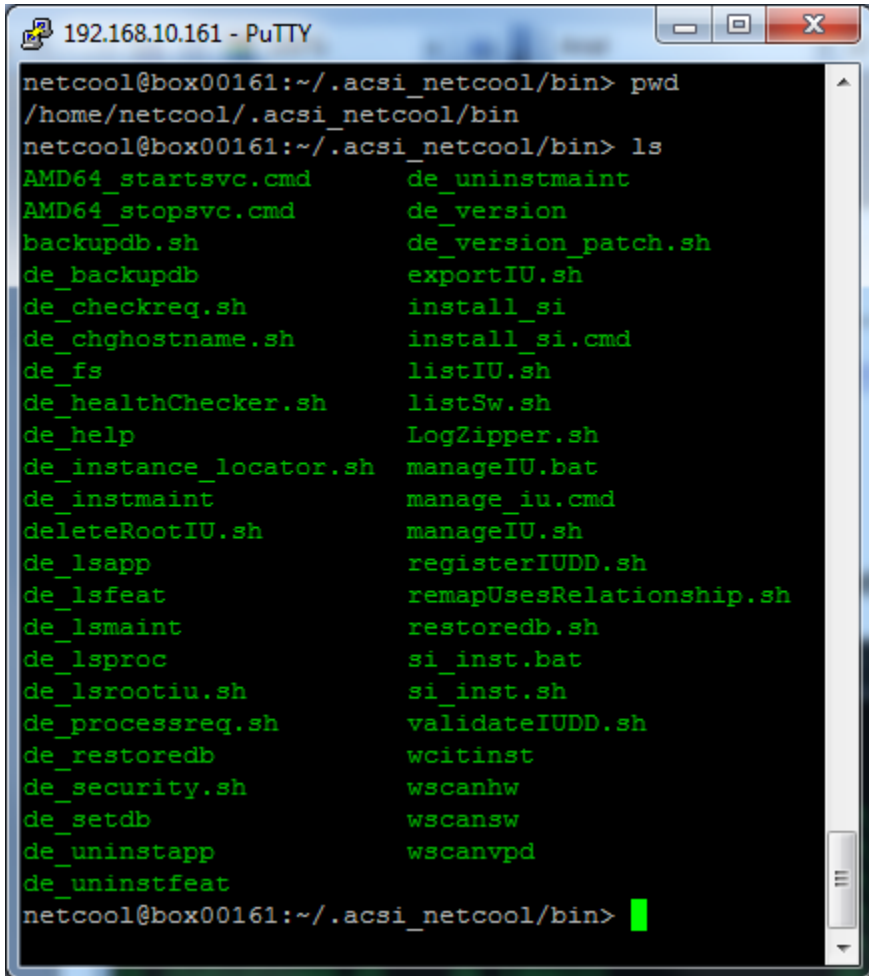
- Deployment Engine (DE) logs



```
192.168.10.161 - PuTTY
netcool@box00161:~/acsi_netcool/logs/netcool> ls
acu_de.log  de_cbe.log  DE_Install.log  de_msg.log  DE_Security.log  de_trace.log
netcool@box00161:~/acsi_netcool/logs/netcool>
```

Post Installation/Core – Deployment Engine

- Installs Deployment Engine (DE)
- Default path for non-root: /home/<user>/.asci_<user>



```
192.168.10.161 - PuTTY
netcool@box00161:~/asci_netcool/bin> pwd
/home/netcool/.asci_netcool/bin
netcool@box00161:~/asci_netcool/bin> ls
AMD64_startsvc.cmd      de_uninstmaint
AMD64_stopsvc.cmd      de_version
backupdb.sh            de_version_patch.sh
de_backupdb            exportIU.sh
de_checkreq.sh         install_si
de_chghostname.sh     install_si.cmd
de_fs                  listIU.sh
de_healthChecker.sh   listSw.sh
de_help                LogZipper.sh
de_instance_locator.sh manageIU.bat
de_instmaint           manage_iu.cmd
deleteRootIU.sh       manageIU.sh
de_lsapp               registerIUDD.sh
de_lsfeat              remapUsesRelationship.sh
de_lsmaint             restoredb.sh
de_lsproc              si_inst.bat
de_lsrootiu.sh         si_inst.sh
de_processreq.sh       validateIUDD.sh
de_restoredb           wcitinst
de_security.sh         wscanhw
de_setdb               wscanvw
de_uninstapp           wscanvvpd
de_uninstfeat
netcool@box00161:~/asci_netcool/bin>
```

- de_version – DE version!
- listIU.sh – show product versions
- de_backupdb/de_restoredb – backup and restore
- de_lsrootiu.sh – check for paths

Post Installation/Core – listIU output

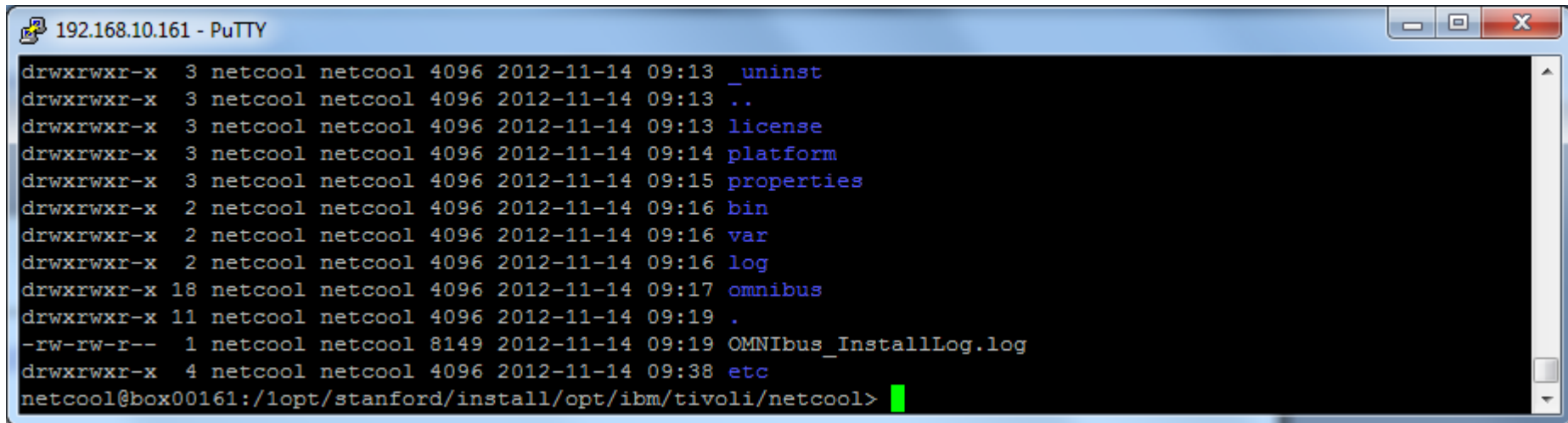
```

192.168.10.161 - PuTTY
netcool@box00161:~/./acsi_netcool/bin> ./listIU.sh
IU      UUID: DDCE934782398B3E81431666515AC8B5  Name: DE Extensions Interfaces CLI IU  Version: 1.4.0.12
IU      UUID: C37109911C8A11D98E1700061BDE7AEA  Name: Deployment Engine IU           Version: 1.4.0.12
IU      UUID: 90A4E4492B83AEBAB0A24E2ADFCD0AE7  Name: SIU-ProbeSupport               Version: 7.3.1.0
IU      UUID: 12C5FB86633348078D85B9189CEB10D9  Name: SIU-NCODesktop                 Version: 7.3.1.0
IU      UUID: ADE788DDF62A4D34826DFA2EBEF82B85  Name: SIU-libcurl                    Version: 7.15.402.0
IU      UUID: 674AA196702A42478EE18B888DE261D2  Name: SIU-nco_IEHS                   Version: 3.1.102.0
IU      UUID: CFAE43EBA0894D70866B1F42E97CDAEC  Name: SIU-libz                        Version: 1.1.4.0
IU      UUID: 0C947060DD2849F6A353EF8E72689A86  Name: SIU-NCOServers                 Version: 7.3.1.0
IU      UUID: 3843BE8A649BDDFAA2A85711D2D8E2DC  Name: SIU-Middleware                 Version: 7.3.1.0
IU      UUID: D793A671C3FA41D387901DE4CEC3B037  Name: SIU-Sybase15Libs               Version: 15.2.901.0
IU      UUID: 51C6EE564CDE4AAF8DD17AE1A5C9367B  Name: SIU-libncrypt                  Version: 2.0.0.0
IU      UUID: 872045EDDD1A4103B7A5C4C4991B0337  Name: SIU-gskit                      Version: 8.13.400.0
IU      UUID: 70E4DA18010FBD29DC329719C5F9AC8E  Name: SIU-Common                     Version: 7.3.1.0
IU      UUID: AA1CD6365992452AA79FA14C23A28D07  Name: SIU-SybaseOCS                  Version: 15.2.901.0
IU      UUID: 3DD77E232EF74A2381010C1B541F4D8D  Name: SIU-libicu40                   Version: 4.0.1.0
IU      UUID: 865CAC4A40A144E2A7160B5F1F82F16E  Name: SIU-jre160IBMr7               Version: 1.6.700.0
IU      UUID: 15DE8D6F26C34B64BE300DD5346F9EAC  Name: SIU-libtre                      Version: 0.7.2.0
IU      UUID: E7B3BDD626B411487FFB19F91ED214D  Name: SIU-Tds62Libs                  Version: 6.2.0.1
IU      UUID: A8B49CF9FD0E4C818F98DF803BF3088D  Name: SIU-nco_jConnect               Version: 6.0.0.0
IU      RootIU UUID: 0B850F92331F4E75B6CD88B2FDFDB93  Name: libicu40                       Version: 4.0.1.0
IU      RootIU UUID: 103820762A094BFBBE429D270168B33B  Name: jre160IBMr7                   Version: 1.6.700.0
IU      RootIU UUID: 1250F2D57B1E400DBB5F39B8CD5D5E04  Name: libz                           Version: 1.1.4.0
IU      RootIU UUID: 13E683F7A5E04D3C84D314E05F4F6E12  Name: libcurl                        Version: 7.15.402.0
IU      RootIU UUID: 32D705DB78E9477D900BD449EF714883  Name: libtre                          Version: 0.7.2.0
IU      RootIU UUID: 3FAF9B2D2A7C4C169FA2303B4B108259  Name: nco_jConnect                   Version: 6.0.0.0
IU      RootIU UUID: 4FD246925404499EBFA2642D3EF701EE  Name: NCODesktop                     Version: 7.3.1.0
IU      RootIU UUID: 569C0962CF8C8871F8A46DD1627A0971  Name: Middleware                     Version: 7.3.1.0
IU      RootIU UUID: 5A917BEF027F45FDBF74E1A562C05C5C  Name: gskit                           Version: 8.13.400.0
IU      RootIU UUID: 6DB05487A41943CC901FB1A4A697372B  Name: Sybase15Libs                   Version: 15.2.901.0
IU      RootIU UUID: 7B3BEA11E1834E7AB2DCB9DA9519546E  Name: SybaseOCS                      Version: 15.2.901.0
IU      RootIU UUID: 7D7C44C126F042BC8C6C1D5E056F4486  Name: libncrypt                      Version: 2.0.0.0
IU      RootIU UUID: A93C77A5C41197A30C509FAE739C5612  Name: ProbeSupport                   Version: 7.3.1.0
IU      RootIU UUID: B4B3579AC88468C8DB20F52639EAF0A  Name: NCOServers                     Version: 7.3.1.0
IU      RootIU UUID: BEA6568E1BB91AA8280AA4A59BFDCCA4  Name: Common                          Version: 7.3.1.0
IU      RootIU UUID: CB0A68B23FC44D2FA5742451FECC8D66  Name: nco_IEHS                       Version: 3.1.102.0
IU      RootIU UUID: D94240D11C8B11D99F2D00061BDE7AFA  Name: Install IU                     Version: 1.4.0.12
IU      RootIU UUID: F56012EF930B4F5E9066A18E4E112D63  Name: Tds62Libs                      Version: 6.2.0.1
netcool@box00161:~/./acsi_netcool/bin>

```

Step 3 : Configuration/Core

- Default path: /opt/ibm/tivoli/netcool
- NCHOME=/opt/ibm/tivoli/netcool
- OMNIHOME=/opt/netcool/tivoli/netcool/omnibus



192.168.10.161 - PuTTY

```
drwxrwxr-x  3 netcool netcool 4096 2012-11-14 09:13 _uninst
drwxrwxr-x  3 netcool netcool 4096 2012-11-14 09:13 ..
drwxrwxr-x  3 netcool netcool 4096 2012-11-14 09:13 license
drwxrwxr-x  3 netcool netcool 4096 2012-11-14 09:14 platform
drwxrwxr-x  3 netcool netcool 4096 2012-11-14 09:15 properties
drwxrwxr-x  2 netcool netcool 4096 2012-11-14 09:16 bin
drwxrwxr-x  2 netcool netcool 4096 2012-11-14 09:16 var
drwxrwxr-x  2 netcool netcool 4096 2012-11-14 09:16 log
drwxrwxr-x 18 netcool netcool 4096 2012-11-14 09:17 omnibus
drwxrwxr-x 11 netcool netcool 4096 2012-11-14 09:19 .
-rw-rw-r--  1 netcool netcool 8149 2012-11-14 09:19 OMNibus_InstallLog.log
drwxrwxr-x  4 netcool netcool 4096 2012-11-14 09:38 etc
netcool@box00161:/opt/stanford/install/opt/ibm/tivoli/netcool>
```

Step 3 : Configuration/Core – General Steps

General steps

1. Setup interface file
2. Create and start ObjectServer
3. Change root password

Step 3.1 : Configuration/Core – Setup Interface for ObjectServer

- Modify USER_INSTALL_DIR/etc/omni.dat

```
192.168.10.161 - PuTTY
[NCOMSP]
{
  Primary: 192.168.10.161 14100
}
"omni.dat" 25L, 318C          24,1-8          Bot
```

FQDN / IP

Port (default 4100)

- cd to USER_INSTALL_DIR/bin and execute ./nco_igen to create interface file

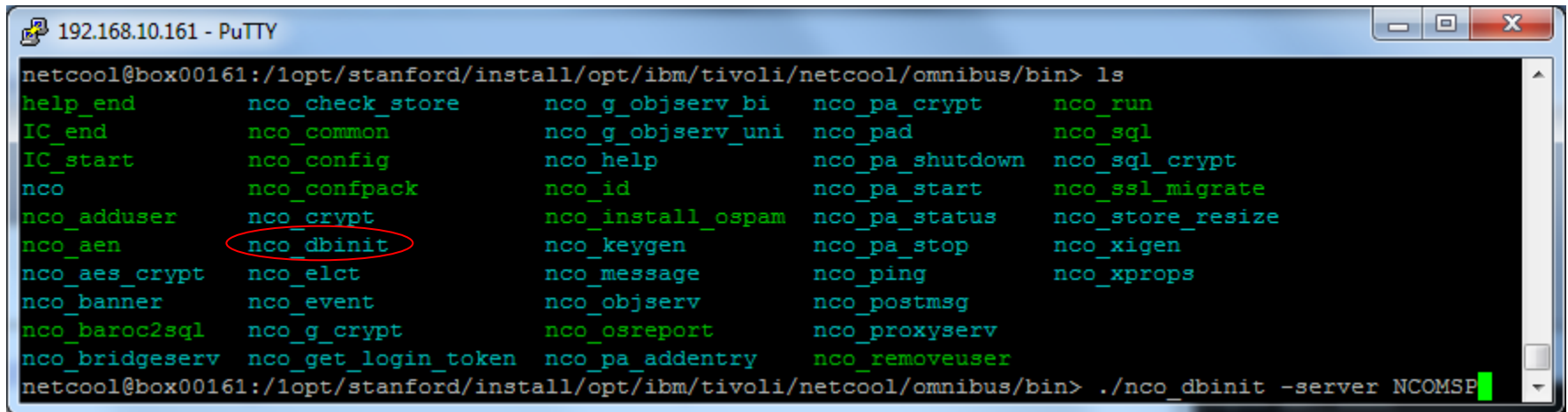
```
192.168.10.161 - PuTTY
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/bin> ./nco_igen
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/bin>
```

```
192.168.10.161 - PuTTY
# NCOMSP => 192.168.10.161 14100
NCOMSP
  master tcp sun-ether 192.168.10.161 14100
  query tcp sun-ether 192.168.10.161 14100
#
# EOF
#
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/etc> cat interfaces.linux2x86
```

Step 3.2 : Configuration/Core – Create ObjectServer

- Create an ObjectServer called NCOMSP

cd USER_INSTALL_DIR/omnibus/bin and execute ./nco_dbinit -server NCOMSP



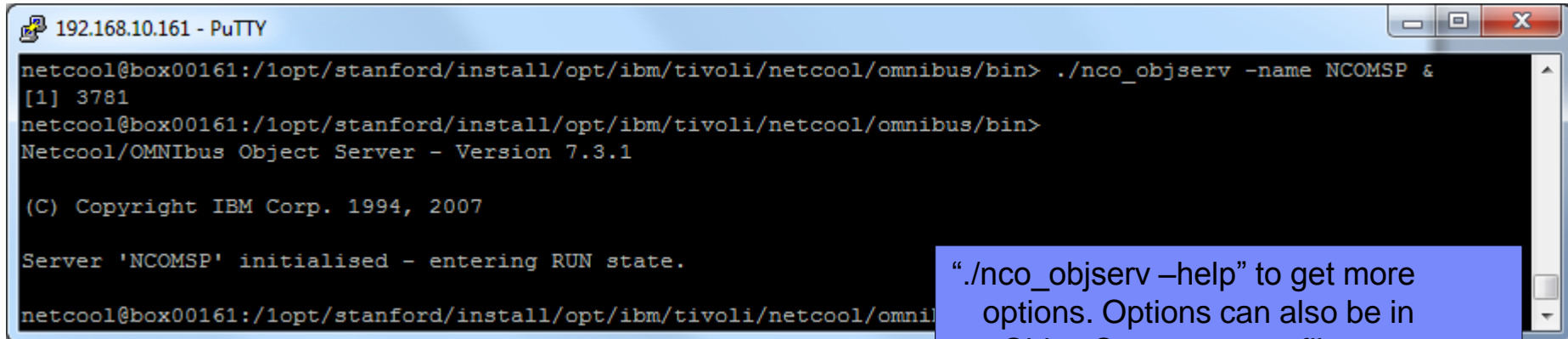
```
192.168.10.161 - PuTTY
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus/bin> ls
help_end          nco_check_store  nco_g_objserv_bi  nco_pa_crypt      nco_run
IC_end            nco_common       nco_g_objserv_uni nco_pad           nco_sql
IC_start         nco_config       nco_help          nco_pa_shutdown  nco_sql_crypt
nco              nco_confpack    nco_id           nco_pa_start     nco_ssl_migrate
nco_adduser     nco_crypt       nco_install_ospam nco_pa_status    nco_store_resize
nco_aen         nco_dbinit      nco_keygen       nco_pa_stop      nco_xigen
nco_aes_crypt   nco_elct        nco_message      nco_ping         nco_xprops
nco_banner      nco_event       nco_objserv      nco_postmsg
nco_baroc2sql   nco_g_crypt     nco_osreport     nco_proxyserv
nco_bridgeserv  nco_get_login_token nco_pa_addentry  nco_removeuser
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus/bin> ./nco_dbinit -server NCOMSP
```

- ObjectServer db files are created in USER_INSTALL_DIR/omnibus/db/NCOMSP

ObjectServer name can be up to 29 characters, but WebGUI installer only accepts 11 characters to preserve backward compatibility. Restriction lifted in Web GUI 7.4.

Step 3.2 : Configuration/Core – Start ObjectServer

- Start the ObjectServer via command line
`./nco_objserv -name <ObjectServerName>&`



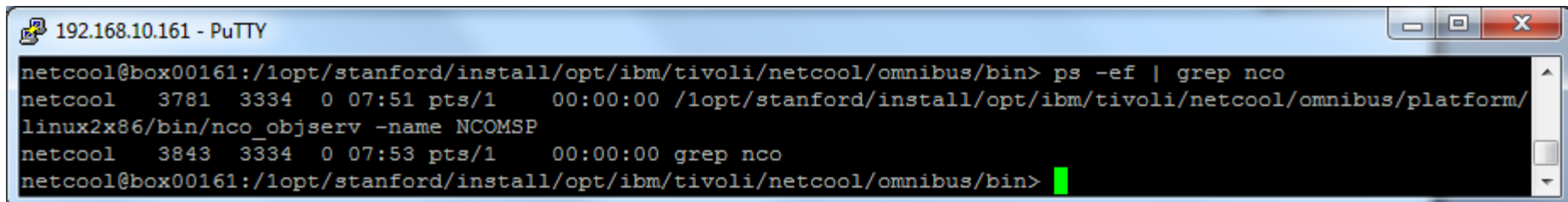
```
192.168.10.161 - PuTTY
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus/bin> ./nco_objserv -name NCOMSP &
[1] 3781
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus/bin>
Netcool/OMNibus Object Server - Version 7.3.1

(C) Copyright IBM Corp. 1994, 2007

Server 'NCOMSP' initialised - entering RUN state.
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/omni
```

“./nco_objserv -help” to get more options. Options can also be in <ObjectServer>.props file.

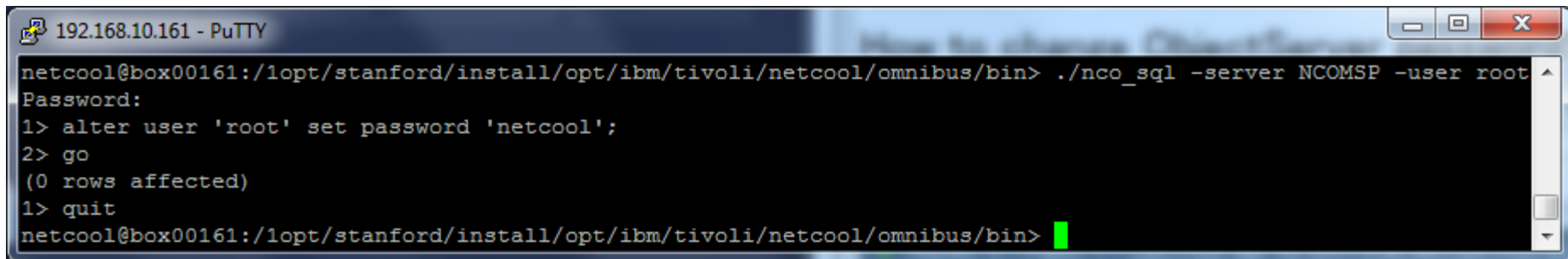
- Check process
`ps -ef | grep nco`



```
192.168.10.161 - PuTTY
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus/bin> ps -ef | grep nco
netcool  3781  3334  0 07:51 pts/1    00:00:00 /lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus/platform/
linux2x86/bin/nco_objserv -name NCOMSP
netcool  3843  3334  0 07:53 pts/1    00:00:00 grep nco
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus/bin>
```

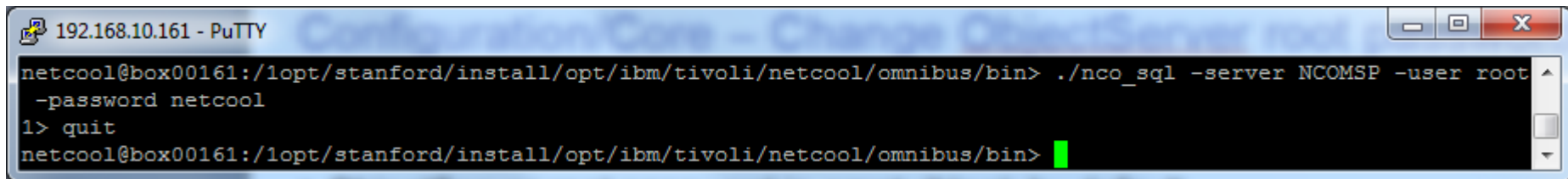
Step 3.3 : Configuration/Core – Change ObjectServer root password

- ObjectServer root password is empty/blank by default.



```
192.168.10.161 - PuTTY
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus/bin> ./nco_sql -server NCOMSP -user root
Password:
1> alter user 'root' set password 'netcool';
2> go
(0 rows affected)
1> quit
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus/bin>
```

- Test. Remember your password.



```
192.168.10.161 - PuTTY
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus/bin> ./nco_sql -server NCOMSP -user root
-password netcool
1> quit
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus/bin>
```

Configuration/Core – OMNIBus Administrator

```
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus/bin> ./nco_config&
[1] 4397
```

The screenshot shows the 'NETCOOL/OMNIBus Administrator - Configuration of NCOMSP on 192.168.10.161:14100' window. The 'Users' section is expanded, displaying a table of default users:

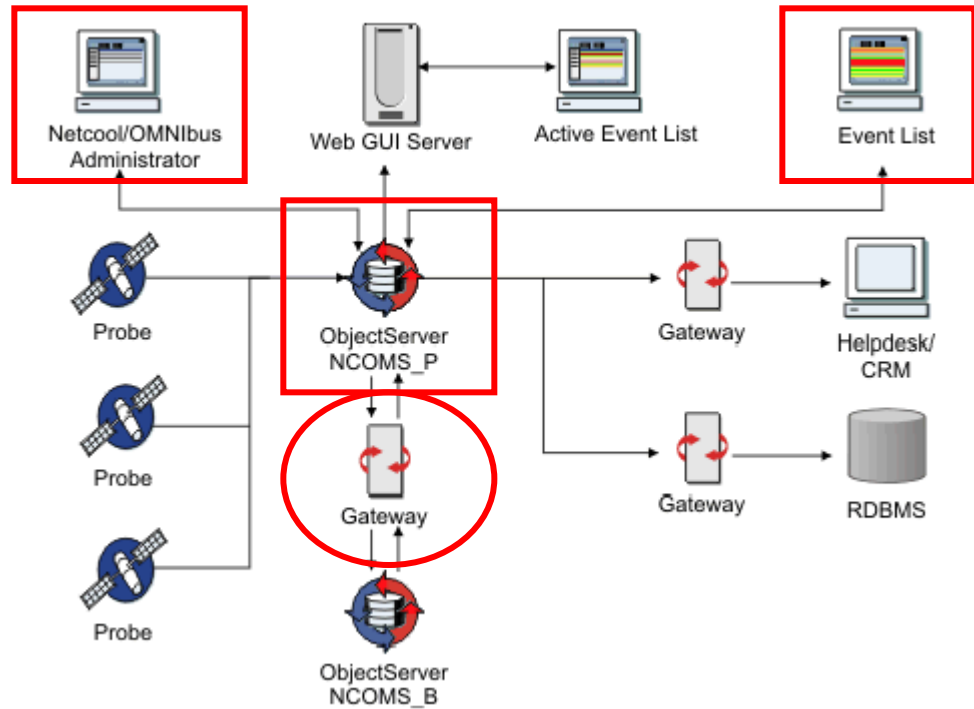
Name	Full Name	Type	ID	Extern...	Enabled
nobody	Nobody	Unknown	65534	✗ false	✗ false
root	Root User	Super User	0	✗ false	✓ true

A blue callout box points to the table with the text: "Default users are listed."

Summary

- ~~1. Download applications~~
- ~~2. Install Omnibus Core~~
- ~~3. Configure Omnibus Core~~
4. Install Web GUI
5. Configure Web GUI

Tivoli Netcool/OMNibus component architecture



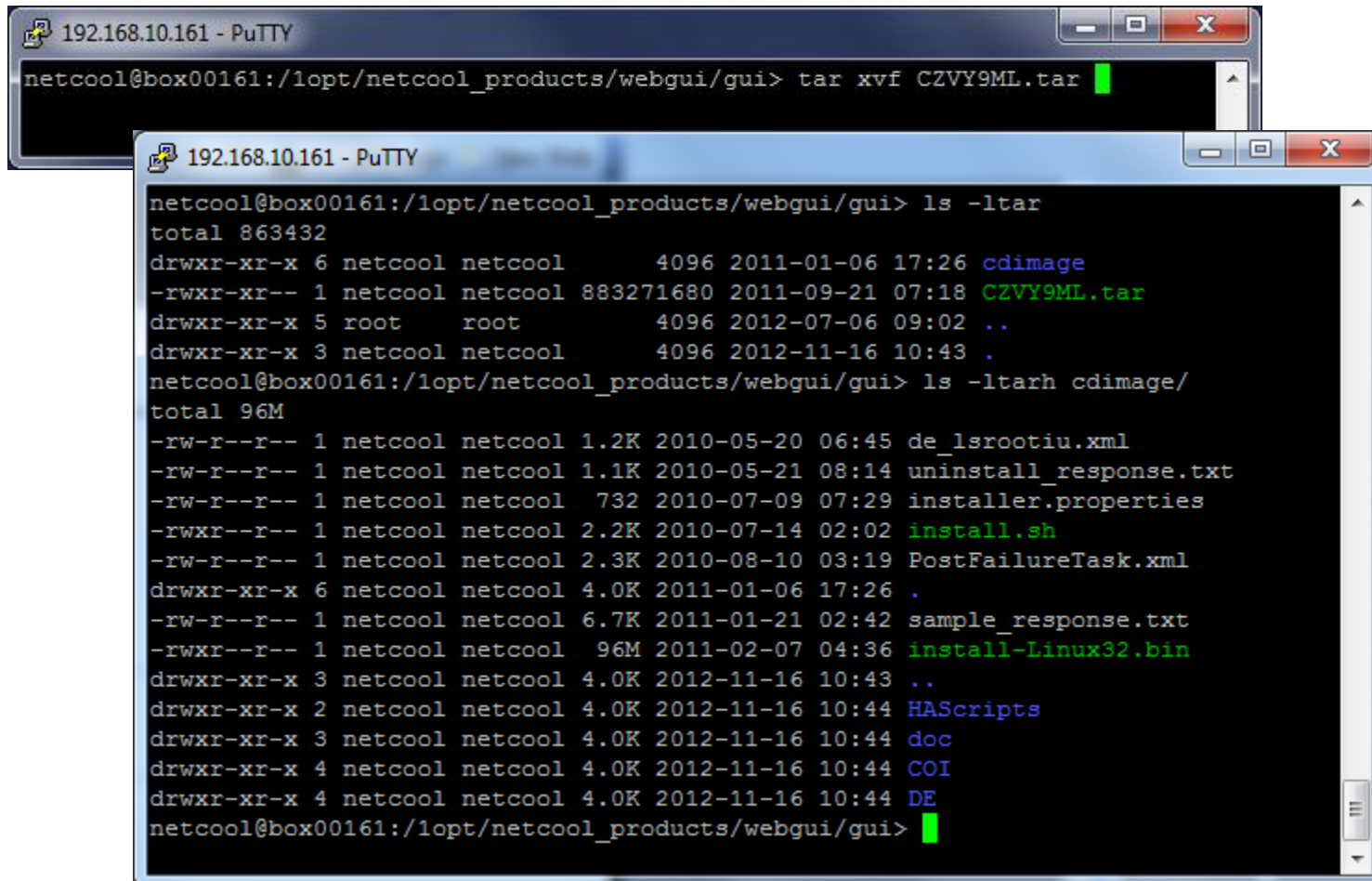
Step 4 : Installation/Web GUI

General steps

1. Uncompress tarball
2. Prepare response file
3. Execute installation script

- Login as the non-root user. Do not switch from root to user.

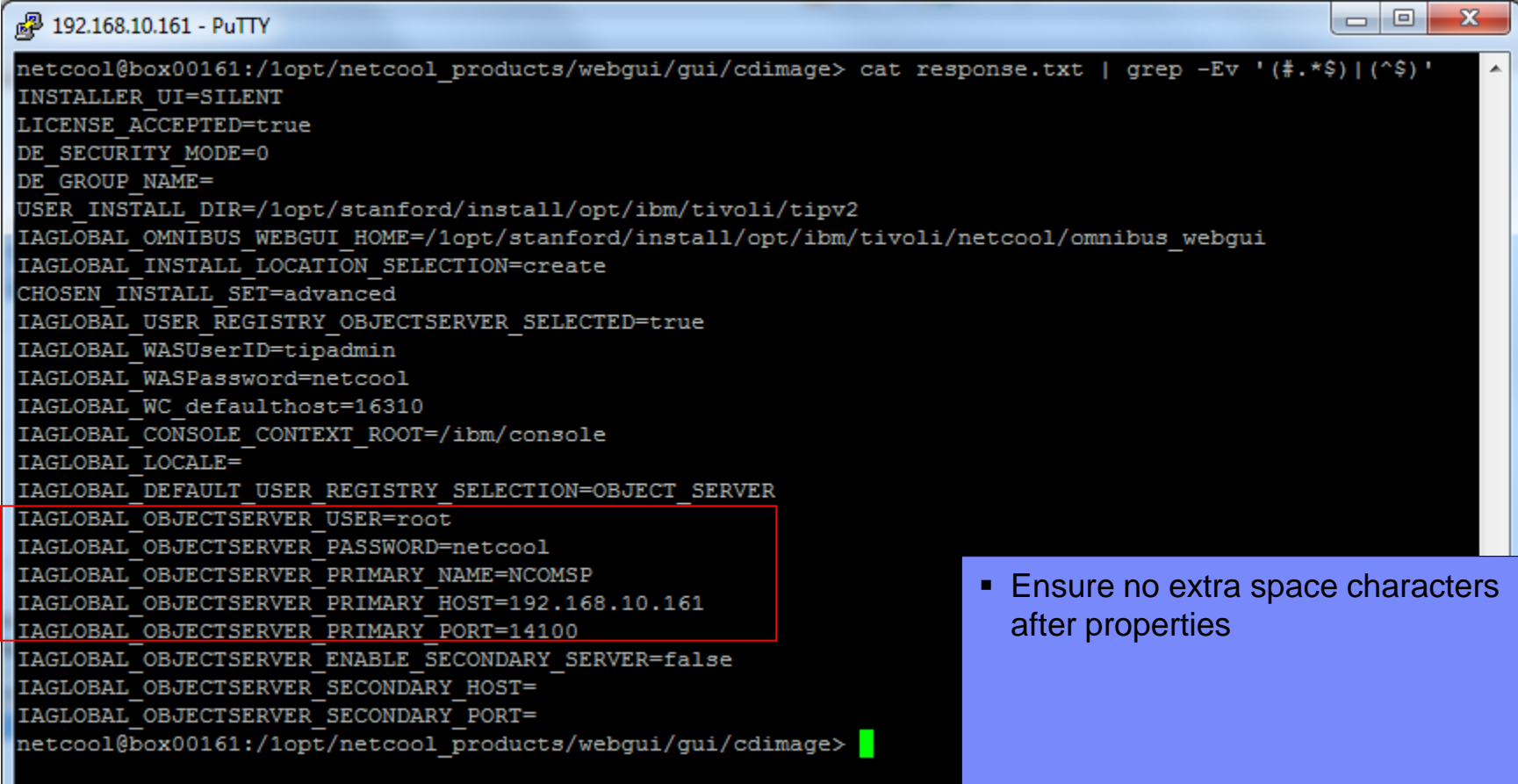
Step 4.1 : Installation/Web GUI - Untar tarball



```
192.168.10.161 - PuTTY
netcool@box00161:/lopt/netcool_products/webgui/gui> tar xvf CZVY9ML.tar

192.168.10.161 - PuTTY
netcool@box00161:/lopt/netcool_products/webgui/gui> ls -ltar
total 863432
drwxr-xr-x 6 netcool netcool      4096 2011-01-06 17:26 cdimage
-rwxr-xr-- 1 netcool netcool 883271680 2011-09-21 07:18 CZVY9ML.tar
drwxr-xr-x 5 root      root      4096 2012-07-06 09:02 ..
drwxr-xr-x 3 netcool netcool      4096 2012-11-16 10:43 .
netcool@box00161:/lopt/netcool_products/webgui/gui> ls -ltarh cdimage/
total 96M
-rw-r--r-- 1 netcool netcool 1.2K 2010-05-20 06:45 de_lsrootiu.xml
-rw-r--r-- 1 netcool netcool 1.1K 2010-05-21 08:14 uninstall_response.txt
-rw-r--r-- 1 netcool netcool 732 2010-07-09 07:29 installer.properties
-rwxr--r-- 1 netcool netcool 2.2K 2010-07-14 02:02 install.sh
-rw-r--r-- 1 netcool netcool 2.3K 2010-08-10 03:19 PostFailureTask.xml
drwxr-xr-x 6 netcool netcool 4.0K 2011-01-06 17:26 .
-rw-r--r-- 1 netcool netcool 6.7K 2011-01-21 02:42 sample_response.txt
-rwxr--r-- 1 netcool netcool 96M 2011-02-07 04:36 install-Linux32.bin
drwxr-xr-x 3 netcool netcool 4.0K 2012-11-16 10:43 ..
drwxr-xr-x 2 netcool netcool 4.0K 2012-11-16 10:44 HAScripts
drwxr-xr-x 3 netcool netcool 4.0K 2012-11-16 10:44 doc
drwxr-xr-x 4 netcool netcool 4.0K 2012-11-16 10:44 COI
drwxr-xr-x 4 netcool netcool 4.0K 2012-11-16 10:44 DE
netcool@box00161:/lopt/netcool_products/webgui/gui>
```

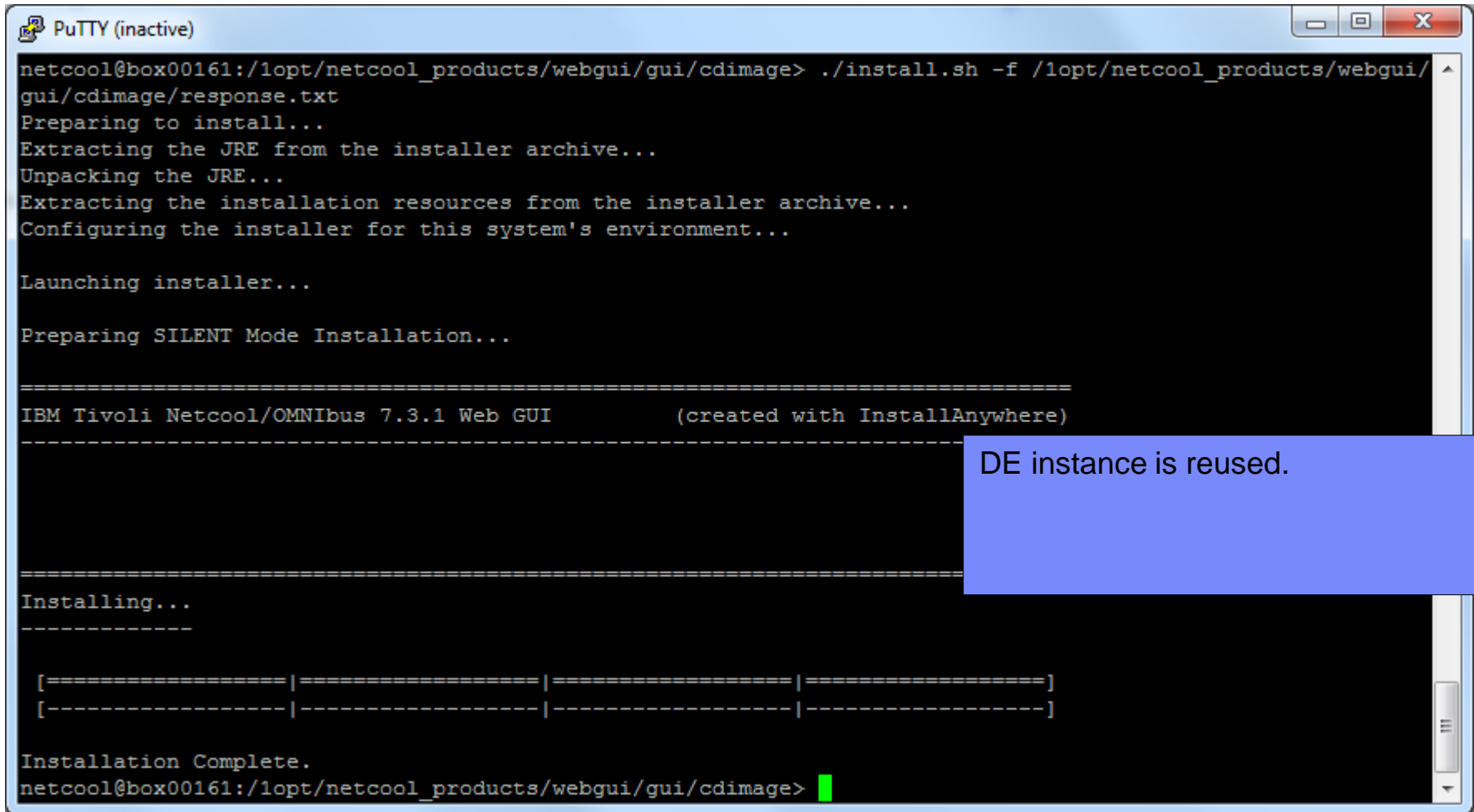
Step 4.2 : Installation/Web GUI - Prepare response file



```
192.168.10.161 - PuTTY
netcool@box00161:/lopt/netcool_products/webgui/gui/cdimage> cat response.txt | grep -Ev '(#.*$)|(^$)'
INSTALLER_UI=SILENT
LICENSE_ACCEPTED=true
DE_SECURITY_MODE=0
DE_GROUP_NAME=
USER_INSTALL_DIR=/lopt/stanford/install/opt/ibm/tivoli/tipv2
IAGLOBAL_OMNIBUS_WEBGUI_HOME=/lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus_webgui
IAGLOBAL_INSTALL_LOCATION_SELECTION=create
CHOSEN_INSTALL_SET=advanced
IAGLOBAL_USER_REGISTRY_OBJECTSERVER_SELECTED=true
IAGLOBAL_WASUserID=tipadmin
IAGLOBAL_WASPassword=netcool
IAGLOBAL_WC_defaulthost=16310
IAGLOBAL_CONSOLE_CONTEXT_ROOT=/ibm/console
IAGLOBAL_LOCALE=
IAGLOBAL_DEFAULT_USER_REGISTRY_SELECTION=OBJECT_SERVER
IAGLOBAL_OBJECTSERVER_USER=root
IAGLOBAL_OBJECTSERVER_PASSWORD=netcool
IAGLOBAL_OBJECTSERVER_PRIMARY_NAME=NCOMSP
IAGLOBAL_OBJECTSERVER_PRIMARY_HOST=192.168.10.161
IAGLOBAL_OBJECTSERVER_PRIMARY_PORT=14100
IAGLOBAL_OBJECTSERVER_ENABLE_SECONDARY_SERVER=false
IAGLOBAL_OBJECTSERVER_SECONDARY_HOST=
IAGLOBAL_OBJECTSERVER_SECONDARY_PORT=
netcool@box00161:/lopt/netcool_products/webgui/gui/cdimage>
```

- Ensure no extra space characters after properties

Step 4.3 : Installation/Web GUI - Execute script



```
PuTTY (inactive)
netcool@box00161:/lopt/netcool_products/webgui/gui/cdimage> ./install.sh -f /lopt/netcool_products/webgui/
gui/cdimage/response.txt
Preparing to install...
Extracting the JRE from the installer archive...
Unpacking the JRE...
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...

Launching installer...

Preparing SILENT Mode Installation...

=====
IBM Tivoli Netcool/OMNIBus 7.3.1 Web GUI          (created with InstallAnywhere)
=====

Installing...
-----

[=====|=====|=====|=====]
[-----|-----|-----|-----]

Installation Complete.
netcool@box00161:/lopt/netcool_products/webgui/gui/cdimage> █
```

DE instance is reused.

Post Installation/Web GUI - Logs

Web GUI - IBM_Tivoli_Netcool_OMNibus_Web_GUI_Install-00.log

```

192.168.10.161 - PuTTY
netcool@box00161:~> pwd
/home/netcool
netcool@box00161:~> ls
Desktop                               IBM_Tivoli_Netcool_OMNibus_Web_GUI_Install-00.log
Documents                             updilogs
IA-Netcool-OMNibus-box00161-20121114T091208-0.log workspace
IBM
netcool@box00161:~>

```

- Last entries of a clean Web GUI Install log:


```

2012-11-16 13:08:17.592-08:00 : STDOUT : (X) cleaning up temporary directories
2012-11-16 13:08:20.429-08:00 : STDERR : cleanUp()
2012-11-16 13:08:20.444-08:00 : STDERR : calling cleanUpUNIX()
2012-11-16 13:08:55.973-08:00 : STDERR : Exiting with exit code: 0

```

DE logs:

```

192.168.10.161 - PuTTY
netcool@box00161:~/./acsi_netcool/logs/netcool> ls
acu_de.log  deexcli_cbe0.log  deexcli_trace0.log  de_msg.log      de_trace1.log
de_cbe.log  deexcli_msg0.log  DE_Install.log      DE_Security.log  de_trace.log
netcool@box00161:~/./acsi_netcool/logs/netcool>

```

Update logs:

```

192.168.10.161 - PuTTY
netcool@box00161:~/lopt/stanford/install/opt/ibm/tivoli/tipv2/logs/update> ls
7.0.0.11-WS-WASEmbedded-IFPM18417.install  7.0.0-WS-WASEmbedded-LinuxX32-FP0000011.install  tmp
7.0.0.11-WS-WAS-IFPM19665.install          7.0.0-WS-WASSDK-LinuxX32-FP0000011.install      update.lock
netcool@box00161:~/lopt/stanford/install/opt/ibm/tivoli/tipv2/logs/update>

```

Post Installation/WebGUI – Java process

- TIP is started after installation

```
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/tipv2/bin> ps -ef | grep java
netcool 11180      1 47 12:49 ?          01:12:38 /lopt/stanford/install/opt/ibm/tivoli/tipv2/java/bin/java -D
eclipse.security -Dwas.status.socket=59375 -Dosgi.install.area=/lopt/stanford/install/opt/ibm/tivoli/tipv2 -
Dosgi.configuration.area=/lopt/stanford/install/opt/ibm/tivoli/tipv2/profiles/TIPProfile/configuration -Djav
a.awt.headless=true -Dosgi.framework.extensions=com.ibm.cds,com.ibm.ws.eclipse.adaptors -Xshareclasses:name=
webspherev70_%g,groupAccess,nonFatal -Xscmx50M -Xbootclasspath/p:/lopt/stanford/install/opt/ibm/tivoli/tipv2
/java/jre/lib/ext/ibmorb.jar:/lopt/stanford/install/opt/ibm/tivoli/tipv2/java/jre/lib/ext/ibmext.jar -classp
ath /lopt/stanford/install/opt/ibm/tivoli/tipv2/profiles/TIPProfile/properties:/lopt/stanford/install/opt/ib
m/tivoli/tipv2/properties:/lopt/stanford/install/opt/ibm/tivoli/tipv2/lib/startup.jar:/lopt/stanford/install
/opt/ibm/tivoli/tipv2/lib/bootstrap.jar:/lopt/stanford/install/opt/ibm/tivoli/tipv2/lib/jsf-nls.jar:/lopt/st
anford/install/opt/ibm/tivoli/tipv2/lib/lmproxy.jar:/lopt/stanford/install/opt/ibm/tivoli/tipv2/lib/urlproto
cols.jar:/lopt/stanford/install/opt/ibm/tivoli/tipv2/deploytool/itp/batchboot.jar:/lopt/stanford/install/opt
/ibm/tivoli/tipv2/deploytool/itp/batch2.jar:/lopt/stanford/install/opt/ibm/tivoli/tipv2/lib/ibmwebui.jar:/lopt/st
Dibm.websphere.internalClassAccessMode=allow -Xms50m -Xmx256m -Djava.library.path=/lopt/stanford/install/opt/ibm/tivoli/tipv2/java/lib:/lopt/stanford/install/opt/ibm/tivoli/tipv2/lib:/lopt/stanford/install/opt/ibm/tivoli/tipv2/classes:/lopt/stanford/install/opt/ibm/tivoli/tipv2/installedChannels:/lopt/stanford/install/opt/ibm/tivoli/tipv2/web/help:/lopt/stanford/install/opt/ibm/etools/ejbdeploy/runtime -Dderby.system.home=/lopt/stanford/install/opt/ibm/tivoli/tipv2/bin -Djava.util.logging.configureByServer=true -Duser.install.root=/lopt/stanford/install/opt/ibm/tivoli/tipv2/profiles/TIPProfile -Djavax.management.builder.initial=com.ibm.ws.management.PlatformMBeanServerBuilder -Dwas.install.root=/lopt/stanford/install/opt/ibm/tivoli/tipv2 -Dpython.cachedir=/lopt/stanford/install/opt/ibm/tivoli/tipv2/profiles/TIPProfile/temp/cachedir -Djava.util.logging.manager=com.ibm.ws.bootstrap.WsLogManager -Dserver.root=/lopt/stanford/install/opt/ibm/tivoli/tipv2/profiles/TIPProfile -Dcom.ibm.security.jgss.debug=off -Dcom.ibm.security.krb5.Krb5Debug=off -Djava.security.policy=/lopt/stanford/install/opt/ibm/tivoli/tipv2/profiles/TIPProfile/properties/server.policy -Djava.security.auth.login.config=/lopt/stanford/install/opt/ibm/tivoli/tipv2/profiles/TIPProfile/properties/wsjaas.conf com.ibm.wsspi.bootstrap.WSPreLauncher -nosplash -application com.ibm.ws.bootstrap.WSLauncher com.ibm.ws.runtime.WsServer /lopt/stanford/install/opt/ibm/tivoli/tipv2/profiles/TIPProfile/config TIPCell TIPNode server1
netcool 13445 13207 0 15:23 pts/1      00:00:00 grep java
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/tipv2/bin>
```

Java Memory settings.

http://publib.boulder.ibm.com/infocenter/tivihelp/v8r1/topic/com.ibm.netcool_OMNIBus.doc_7.3.1/omnibus/wip/common/reference/omn_trb_performanceobjserv.html

Post Installation/Web GUI – listIU output

```

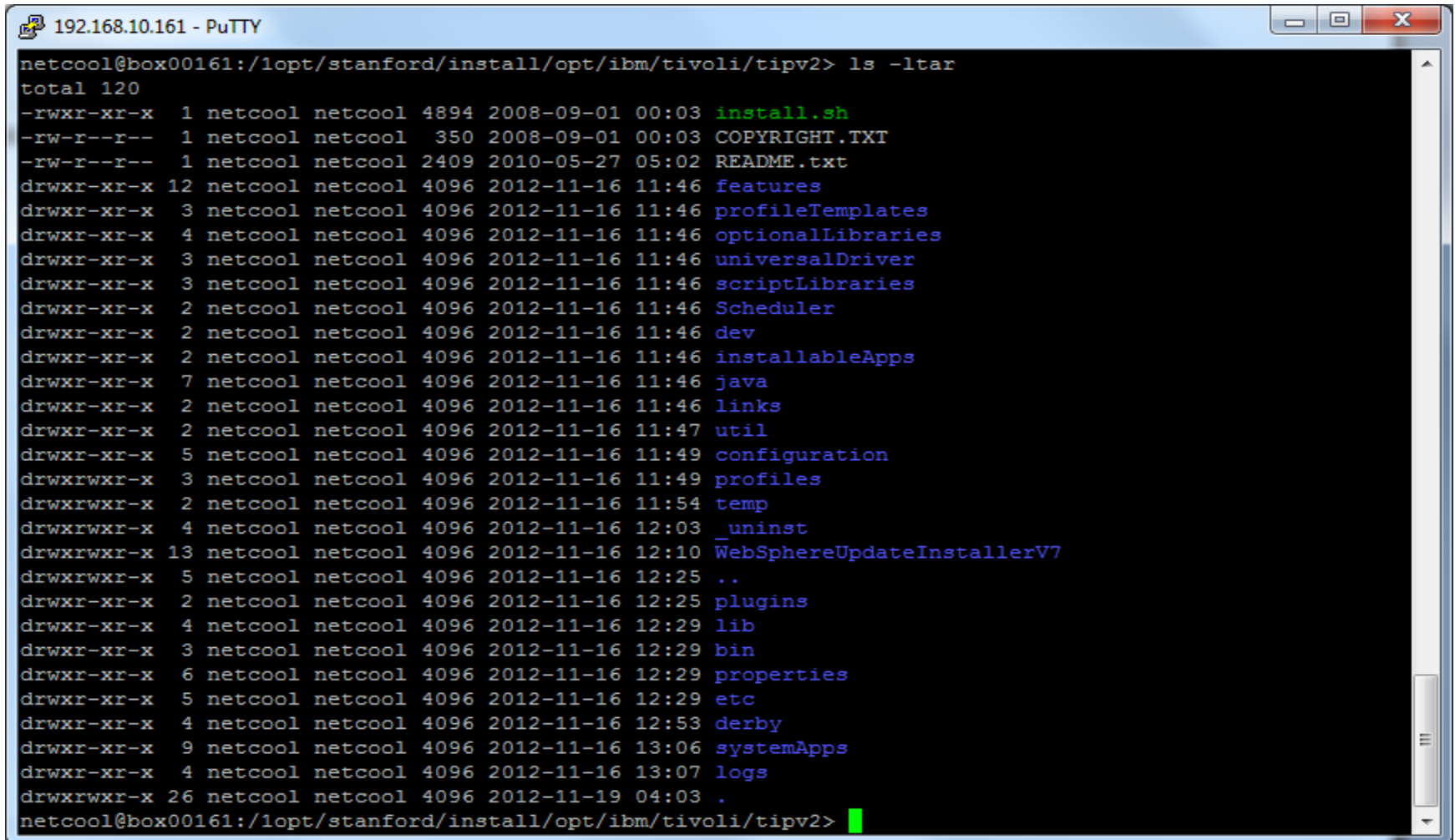
192.168.10.161 - PuTTY
netcool@box00161:~> /home/netcool/.acsi_netcool/bin/listIU.sh
IU      UUID: DDCE934782398B3E81431666515AC8B5      Name: DE Extensions Interfaces CLI IU      Version: 1.4.0.12
IU      UUID: C37109911C8A11D98E1700061BDE7AEA      Name: Deployment Engine IU      Version: 1.4.0.12
IU      UUID: 90A4E4492B83AEBAB0A24E2ADFCDAOE7      Name: SIU-ProbeSupport      Version: 7.3.1.0
IU      UUID: 12C5FB86633348078D85B9189CEB10D9      Name: SIU-NCODesktop      Version: 7.3.1.0
IU      UUID: ADE788DDF62A4D34826DFA2EBEF82B85      Name: SIU-libcurl      Version: 7.15.402.0
IU      UUID: 674AA196702A42478EE18B888DE261D2      Name: SIU-nco_IEHS      Version: 3.1.102.0
IU      UUID: CFAE43EBA0894D70866B1F42E97CDAEC      Name: SIU-libz      Version: 1.1.4.0
IU      UUID: 0C947060DD2849F6A353EF8E72689A86      Name: SIU-NCOServers      Version: 7.3.1.0
IU      UUID: 3843BE8A649BDDFAA2A85711D2D8E2DC      Name: SIU-Middleware      Version: 7.3.1.0
IU      UUID: D793A671C3FA41D387901DE4CEC3B037      Name: SIU-Sybase15Libs      Version: 15.2.901.0
IU      UUID: 51C6EE564CDE4AAF8DD17AE1A5C9367B      Name: SIU-libncrypt      Version: 2.0.0.0
IU      UUID: 872045EDDD1A4103B7A5C4C4991B0337      Name: SIU-gskit      Version: 8.13.400.0
IU      UUID: 70E4DA18010FBDD29DC329719C5F9AC8E      Name: SIU-Common      Version: 7.3.1.0
IU      UUID: AA1CD6365992452AA79FA14C23A28D07      Name: SIU-SybaseOCS      Version: 15.2.901.0
IU      UUID: 3DD77E232EF74A2381010C1B541F4D8D      Name: SIU-libicu40      Version: 4.0.1.0
IU      UUID: 865CAC4A40A144E2A7160B5F1F82F16E      Name: SIU-jre160IBMr7      Version: 1.6.700.0
IU      UUID: 15DE8D6F26C34B64BE300DD5346F9EAC      Name: SIU-libtre      Version: 0.7.2.0
IU      UUID: E7B3BD0D626B411487FFB19F91ED214D      Name: SIU-Tds62Libs      Version: 6.2.0.1
IU      UUID: A8B49CF9FD0E4C818F98DF803BF3088D      Name: SIU-nco_jConnect      Version: 6.0.0.0
IU      UUID: 4432999629D663494F07A5EAFD60C5B9      Name: SIU-WebtopProduct      Version: 7.3.1.0
IU      UUID: 4AFB6B8EF2A21434A3144152D70C63FB      Name: SIU-Webtop      Version: 7.3.1.0
IU      UUID: E73D3C320A0DE700CA1D00F7FB8CD17D      Name: SIU-WebtopVMMObjectServerPlugin      Version: 7.3.1.0
IU      UUID: 34AB360064B147638D71552BA8F3474D      Name: SIU-VMMObjectServerPlugin      Version: 2.1.0.0
IU      UUID: B7B22F42B420490684C5D7304536D031      Name: SIU ESSServer      Version: 2.1.0.0
IU      UUID: 5FFE79F918DF3BA0D67511FD3F7C358E      Name: SIU-TIPCore      Version: 2.1.0.1
IU      UUID: 5FFE79F918DF3BA0D67511FD3F7C358E      Name: SIU-TIPCore      Version: 2.1.0.0
IU      UUID: 333EC6AFD750875204DA2DA45D4FD264      Name: SIU eWAS      Version: 7.0.0.11
IU      RootIU UUID: 083238C26465F730DFFF9E230B74FD83      Name: WebtopProduct      Version: 7.3.1.0
IU      RootIU UUID: 0B850F92331F4E75B6CD88B2FDFDB93      Name: libicu40      Version: 4.0.1.0
IU      RootIU UUID: 103820762A094BFBBE429D270168B33B      Name: jre160IBMr7      Version: 1.6.700.0
IU      RootIU UUID: 1250F2D57B1E400DBB5F39B8CD5D5E04      Name: libz      Version: 1.1.4.0
IU      RootIU UUID: 13E683F7A5E04D3C84D314E05F4F6E12      Name: libcurl      Version: 7.15.402.0
IU      RootIU UUID: 15E9A5BF54FD417D9BF195AF4E12B093      Name: VMMObjectServerPlugin      Version: 2.1.0.0
IU      RootIU UUID: 2ADC4A33F09F4E85AD27963E850290C3      Name: TIPCore      Version: 2.1.0.0
IU      RootIU UUID: 2ADC4A33F09F4E85AD27963E850290C3      Name: TIPCore      Version: 2.1.0.1
IU      RootIU UUID: 32D705DB78E9477D900BD449EF714883      Name: libtre      Version: 0.7.2.0
IU      RootIU UUID: 3FAF9B2D2A7C4C169FA2303B4B108259      Name: nco_jConnect      Version: 6.0.0.0
IU      RootIU UUID: 4FD246925404499EBFA2642D3EF701EE      Name: NCODesktop      Version: 7.3.1.0
IU      RootIU UUID: 569C0962CF8C8871F8A46DD1627A0971      Name: Middleware      Version: 7.3.1.0
IU      RootIU UUID: 5822230B475D45B0AB3600495512AC63      Name: ESSServer      Version: 2.1.0.0
IU      RootIU UUID: 5A917BE... : gskit      Version: 8.13.400.0
IU      RootIU UUID: 6DB0548... : Sybase15Libs      Version: 15.2.901.0
IU      RootIU UUID: 7B3BEA1... : SybaseOCS      Version: 15.2.901.0
IU      RootIU UUID: 7D7C44C... : libncrypt      Version: 2.0.0.0
IU      RootIU UUID: A93C77A... : ProbeSupport      Version: 7.3.1.0
IU      RootIU UUID: B4B3579... : NCOServers      Version: 7.3.1.0
IU      RootIU UUID: BEA6568... : Common      Version: 7.3.1.0
IU      RootIU UUID: C00DA95... : eWAS      Version: 7.0.0.11
IU      RootIU UUID: CB0A68B... : nco_IEHS      Version: 3.1.102.0
IU      RootIU UUID: D8B5AEF... : Webtop      Version: 7.3.1.0
IU      RootIU UUID: D94240D... : Install IU      Version: 1.4.0.12
IU      RootIU UUID: F56012E... : Tds62Libs      Version: 6.2.0.1
IU      RootIU UUID: F9B084837AC6722822203FC2F3446084      Name: WebtopVMMObjectServerPlugin      Version: 7.3.1.0

```

- Webtop = Web GUI
- 7.3.1.0 means version 7.3.1.<fixpack>

Post Installation/Web GUI - TIPHOME

TIPHOME=/1opt/stanford/install/opt/ibm/tivoli/tipv2

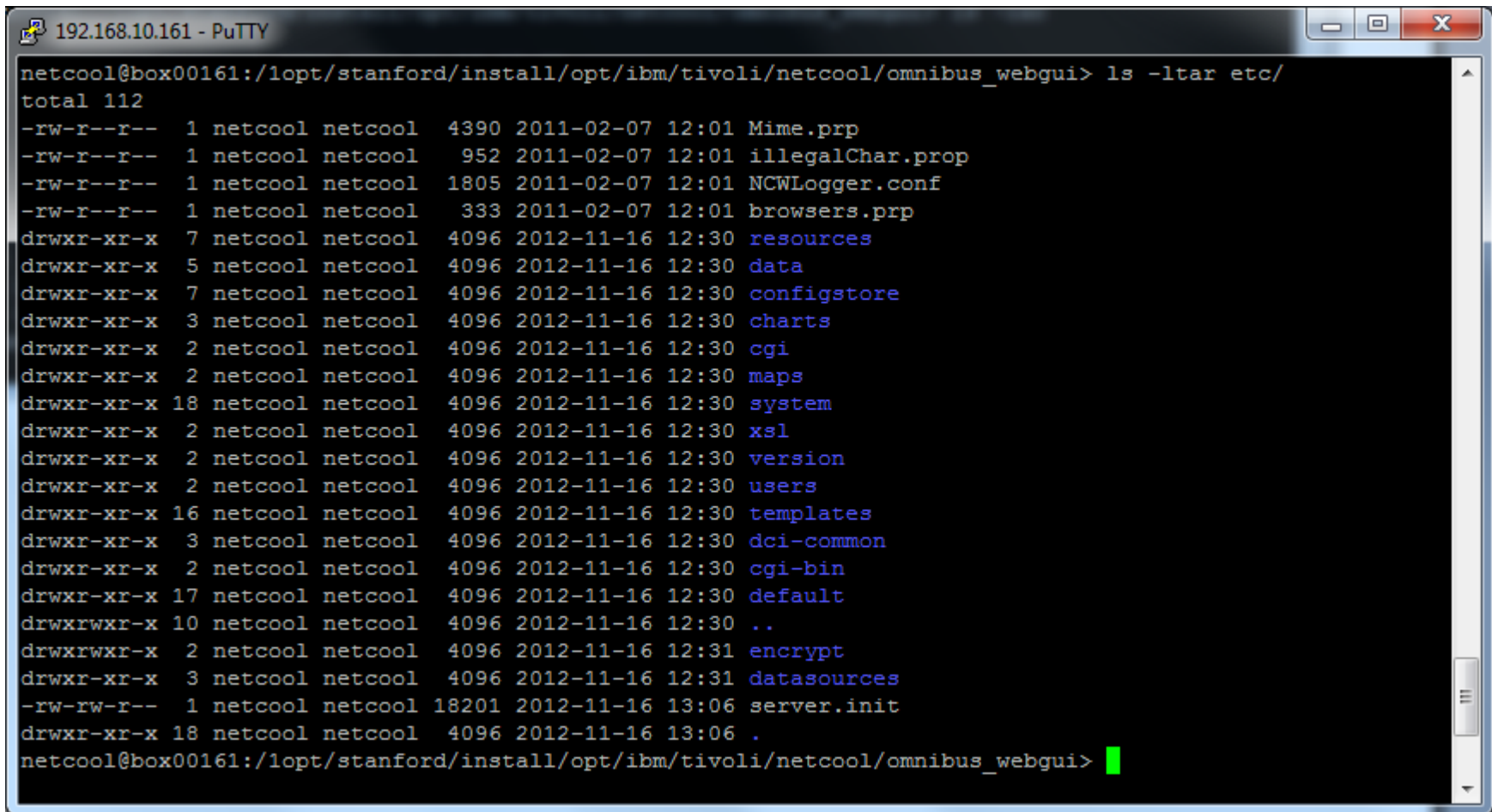


```
192.168.10.161 - PuTTY
netcool@box00161:/1opt/stanford/install/opt/ibm/tivoli/tipv2> ls -ltar
total 120
-rwxr-xr-x  1 netcool netcool  4894 2008-09-01  00:03  install.sh
-rw-r--r--  1 netcool netcool   350 2008-09-01  00:03  COPYRIGHT.TXT
-rw-r--r--  1 netcool netcool  2409 2010-05-27  05:02  README.txt
drwxr-xr-x 12 netcool netcool  4096 2012-11-16 11:46  features
drwxr-xr-x  3 netcool netcool  4096 2012-11-16 11:46  profileTemplates
drwxr-xr-x  4 netcool netcool  4096 2012-11-16 11:46  optionalLibraries
drwxr-xr-x  3 netcool netcool  4096 2012-11-16 11:46  universalDriver
drwxr-xr-x  3 netcool netcool  4096 2012-11-16 11:46  scriptLibraries
drwxr-xr-x  2 netcool netcool  4096 2012-11-16 11:46  Scheduler
drwxr-xr-x  2 netcool netcool  4096 2012-11-16 11:46  dev
drwxr-xr-x  2 netcool netcool  4096 2012-11-16 11:46  installableApps
drwxr-xr-x  7 netcool netcool  4096 2012-11-16 11:46  java
drwxr-xr-x  2 netcool netcool  4096 2012-11-16 11:46  links
drwxr-xr-x  2 netcool netcool  4096 2012-11-16 11:47  util
drwxr-xr-x  5 netcool netcool  4096 2012-11-16 11:49  configuration
drwxrwxr-x  3 netcool netcool  4096 2012-11-16 11:49  profiles
drwxrwxr-x  2 netcool netcool  4096 2012-11-16 11:54  temp
drwxrwxr-x  4 netcool netcool  4096 2012-11-16 12:03  _uninst
drwxrwxr-x 13 netcool netcool  4096 2012-11-16 12:10  WebSphereUpdateInstallerV7
drwxrwxr-x  5 netcool netcool  4096 2012-11-16 12:25  ..
drwxr-xr-x  2 netcool netcool  4096 2012-11-16 12:25  plugins
drwxr-xr-x  4 netcool netcool  4096 2012-11-16 12:29  lib
drwxr-xr-x  3 netcool netcool  4096 2012-11-16 12:29  bin
drwxr-xr-x  6 netcool netcool  4096 2012-11-16 12:29  properties
drwxr-xr-x  5 netcool netcool  4096 2012-11-16 12:29  etc
drwxr-xr-x  4 netcool netcool  4096 2012-11-16 12:53  derby
drwxr-xr-x  9 netcool netcool  4096 2012-11-16 13:06  systemApps
drwxr-xr-x  4 netcool netcool  4096 2012-11-16 13:07  logs
drwxrwxr-x 26 netcool netcool  4096 2012-11-19  04:03  .
netcool@box00161:/1opt/stanford/install/opt/ibm/tivoli/tipv2>
```

Post Installation/Web GUI - WEBGUI_HOME

WEBGUI_HOME=/1opt/stanford/install/opt/ibm/tivoli/netcool/omnibus_webgui

WEBGUI_HOME/etc contains core of Web GUI



```
192.168.10.161 - PuTTY
netcool@box00161:/1opt/stanford/install/opt/ibm/tivoli/netcool/omnibus_webgui> ls -ltar etc/
total 112
-rw-r--r--  1 netcool netcool  4390 2011-02-07 12:01 Mime.prp
-rw-r--r--  1 netcool netcool   952 2011-02-07 12:01 illegalChar.prop
-rw-r--r--  1 netcool netcool  1805 2011-02-07 12:01 NCWLogger.conf
-rw-r--r--  1 netcool netcool   333 2011-02-07 12:01 browsers.prp
drwxr-xr-x  7 netcool netcool  4096 2012-11-16 12:30 resources
drwxr-xr-x  5 netcool netcool  4096 2012-11-16 12:30 data
drwxr-xr-x  7 netcool netcool  4096 2012-11-16 12:30 configstore
drwxr-xr-x  3 netcool netcool  4096 2012-11-16 12:30 charts
drwxr-xr-x  2 netcool netcool  4096 2012-11-16 12:30 cgi
drwxr-xr-x  2 netcool netcool  4096 2012-11-16 12:30 maps
drwxr-xr-x 18 netcool netcool  4096 2012-11-16 12:30 system
drwxr-xr-x  2 netcool netcool  4096 2012-11-16 12:30 xsl
drwxr-xr-x  2 netcool netcool  4096 2012-11-16 12:30 version
drwxr-xr-x  2 netcool netcool  4096 2012-11-16 12:30 users
drwxr-xr-x 16 netcool netcool  4096 2012-11-16 12:30 templates
drwxr-xr-x  3 netcool netcool  4096 2012-11-16 12:30 dci-common
drwxr-xr-x  2 netcool netcool  4096 2012-11-16 12:30 cgi-bin
drwxr-xr-x 17 netcool netcool  4096 2012-11-16 12:30 default
drwxrwxr-x 10 netcool netcool  4096 2012-11-16 12:30 ..
drwxrwxr-x  2 netcool netcool  4096 2012-11-16 12:31 encrypt
drwxr-xr-x  3 netcool netcool  4096 2012-11-16 12:31 datasources
-rw-rw-r--  1 netcool netcool 18201 2012-11-16 13:06 server.init
drwxr-xr-x 18 netcool netcool  4096 2012-11-16 13:06 .
netcool@box00161:/1opt/stanford/install/opt/ibm/tivoli/netcool/omnibus_webgui>
```

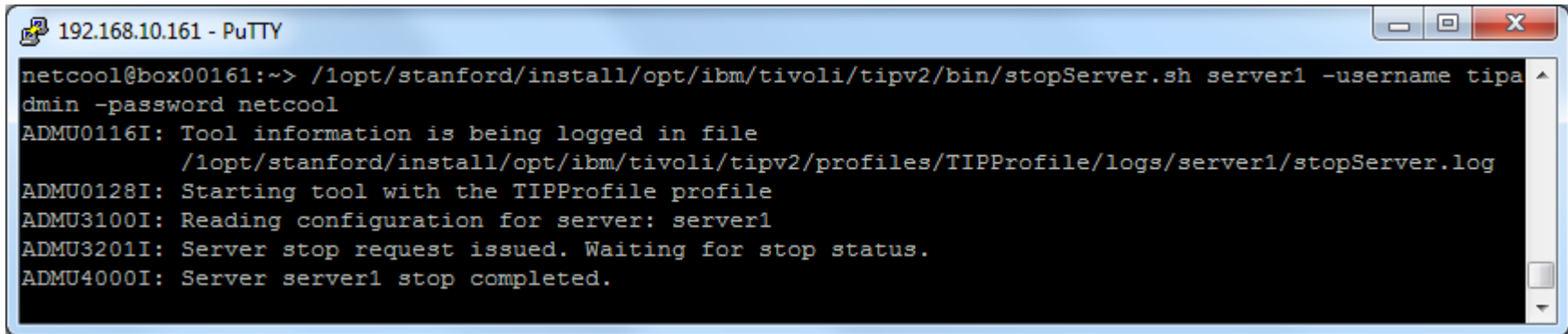
Step 5 : Configuration/Web GUI

General Steps

- Assign Netcool roles to groups or users.

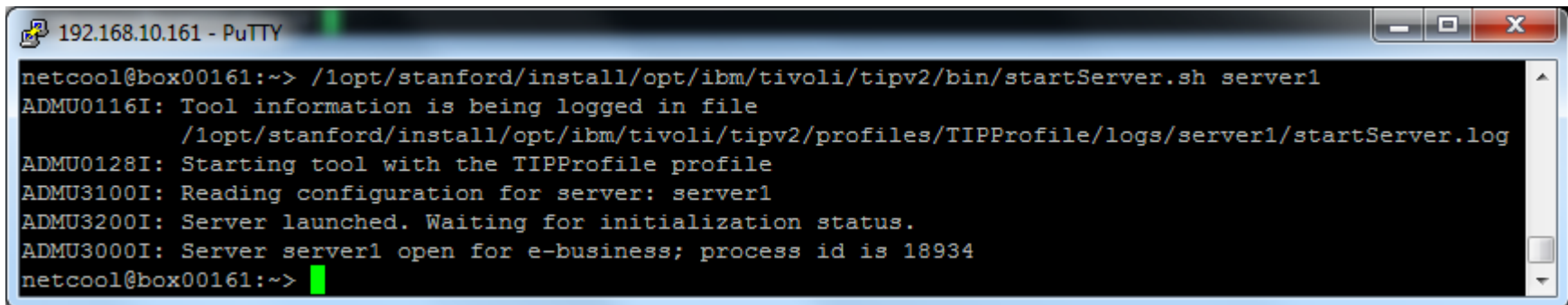
Step 5 : Configuration/Web GUI – Stop/Start TIP

Stop: TIPHOME/bin/stopServer.sh server1 –username tipadmin –password netcool



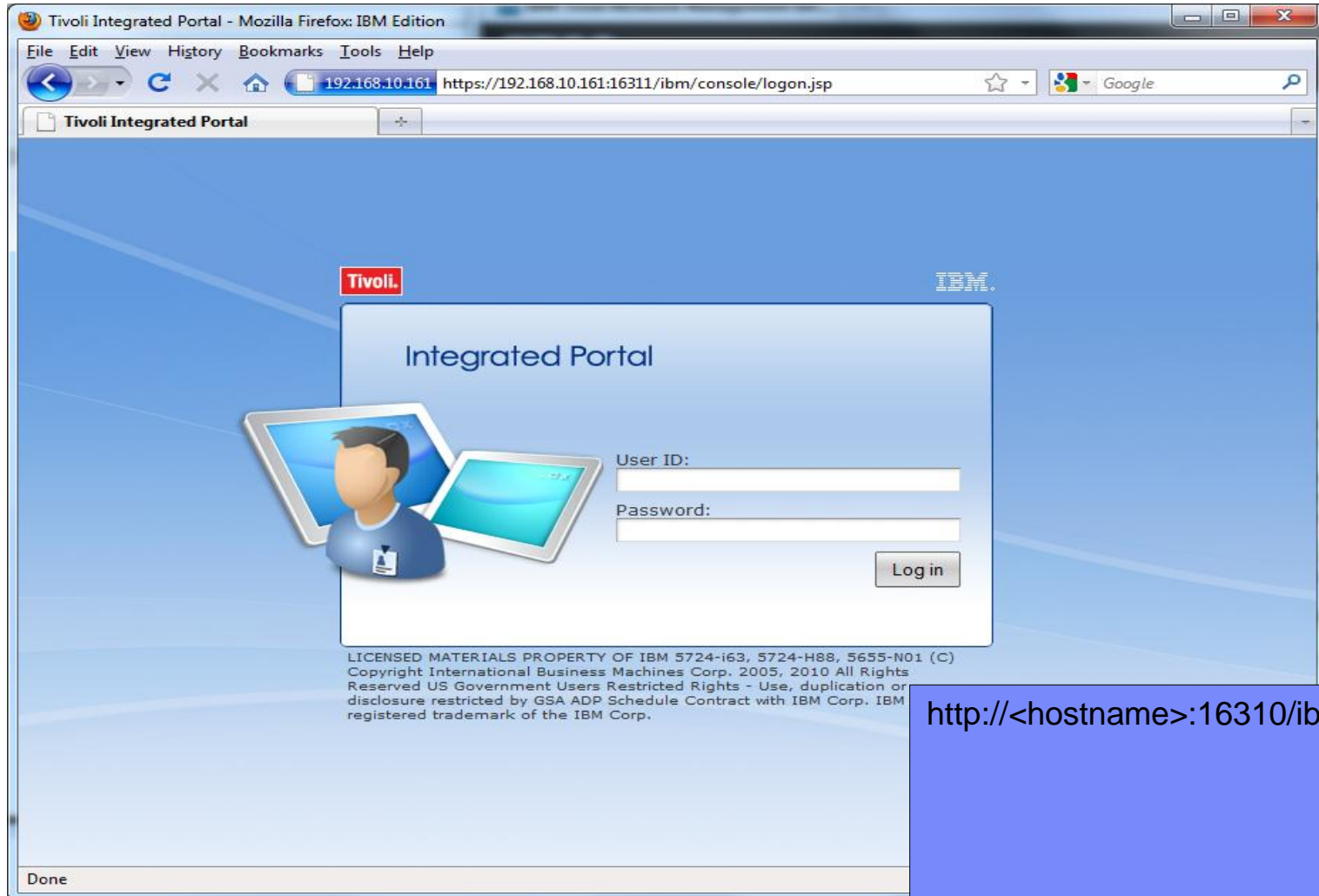
```
192.168.10.161 - PuTTY
netcool@box00161:~> /1opt/stanford/install/opt/ibm/tivoli/tipv2/bin/stopServer.sh server1 -username tipadmin -password netcool
ADMU0116I: Tool information is being logged in file
           /1opt/stanford/install/opt/ibm/tivoli/tipv2/profiles/TIPProfile/logs/server1/stopServer.log
ADMU0128I: Starting tool with the TIPProfile profile
ADMU3100I: Reading configuration for server: server1
ADMU3201I: Server stop request issued. Waiting for stop status.
ADMU4000I: Server server1 stop completed.
```

Start: TIPHOME/bin/startServer server1



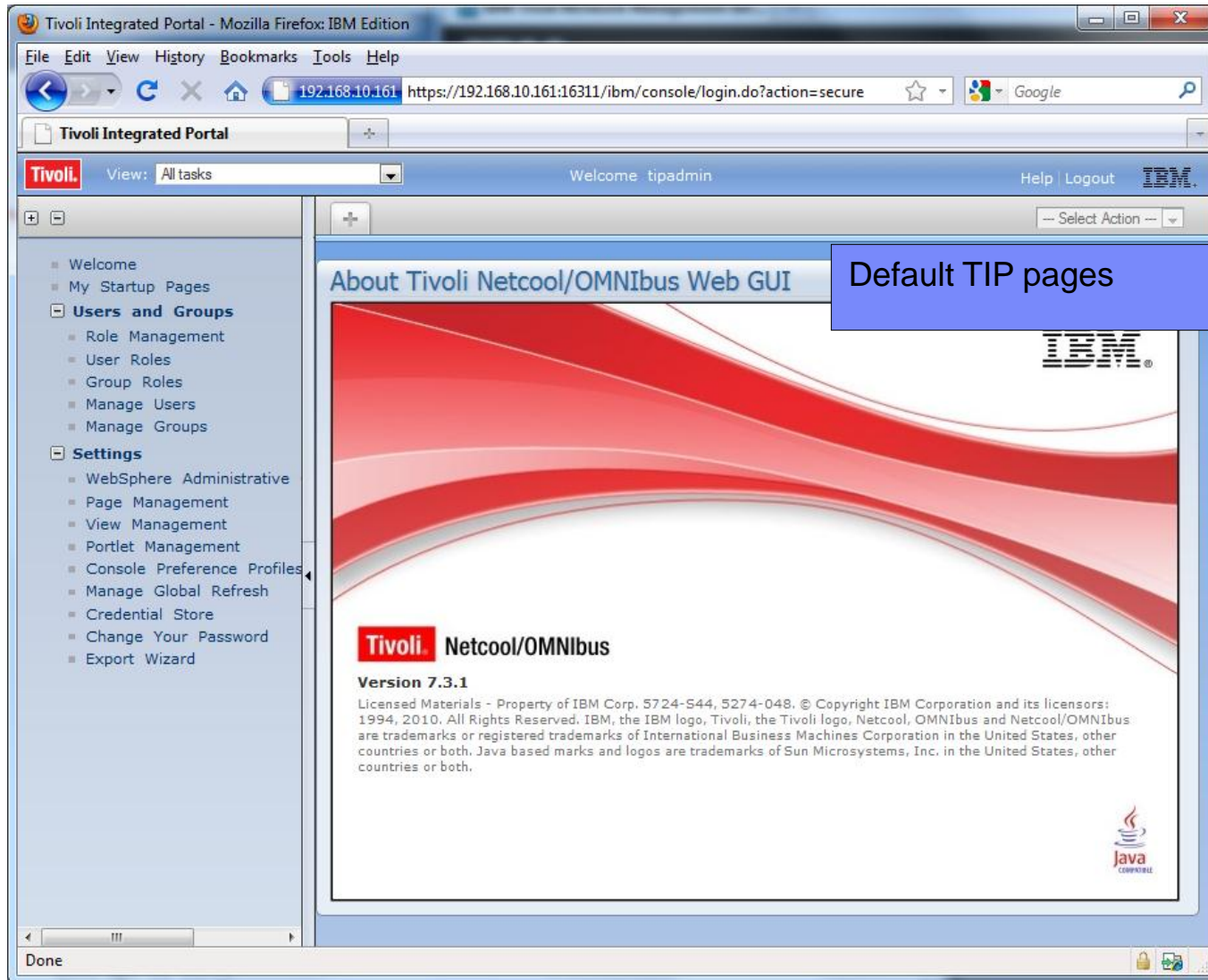
```
192.168.10.161 - PuTTY
netcool@box00161:~> /1opt/stanford/install/opt/ibm/tivoli/tipv2/bin/startServer.sh server1
ADMU0116I: Tool information is being logged in file
           /1opt/stanford/install/opt/ibm/tivoli/tipv2/profiles/TIPProfile/logs/server1/startServer.log
ADMU0128I: Starting tool with the TIPProfile profile
ADMU3100I: Reading configuration for server: server1
ADMU3200I: Server launched. Waiting for initialization status.
ADMU3000I: Server server1 open for e-business; process id is 18934
netcool@box00161:~>
```

Step 5 : Configuration/Web GUI – Login Page



`http://<hostname>:16310/ibm/console`

Step 5 : Configuration/Web GUI – Welcome page



Step 5 : Configuration/Web GUI – Assign Roles to a user

Tivoli Integrated Portal - Mozilla Firefox: IBM Edition

File Edit View History Bookmarks Tools Help

192.168.10.161 https://192.168.10.161:16311/ibm/console/login.do?action=secure

Tivoli Integrated Portal

View: All tasks Welcome tipadmin Help Logout IBM

Group Roles x User Roles x + -- Select Action --

User Roles

User Roles > root

Available Roles

Select	Roles
<input checked="" type="checkbox"/>	iscadmins
<input type="checkbox"/>	monitor
<input checked="" type="checkbox"/>	ncw_admin
<input type="checkbox"/>	ncw_dashboard_editor
<input type="checkbox"/>	ncw_gauges_editor
<input type="checkbox"/>	ncw_gauges_viewer
<input checked="" type="checkbox"/>	ncw_user
<input type="checkbox"/>	netcool_ro
<input checked="" type="checkbox"/>	netcool_rw

Total: 16 Selected: 4

Save Cancel Reset

Read 192.168.10.161

Login as tipadmin/netcool.
Go to Users and Groups > Users Roles
ncw_* or netcool_* roles are for Web GUI.

Step 5 : Configuration/Web GUI - AEL

Login as root/netcool.
Go to Availability > Events > Active Events List (AEL)

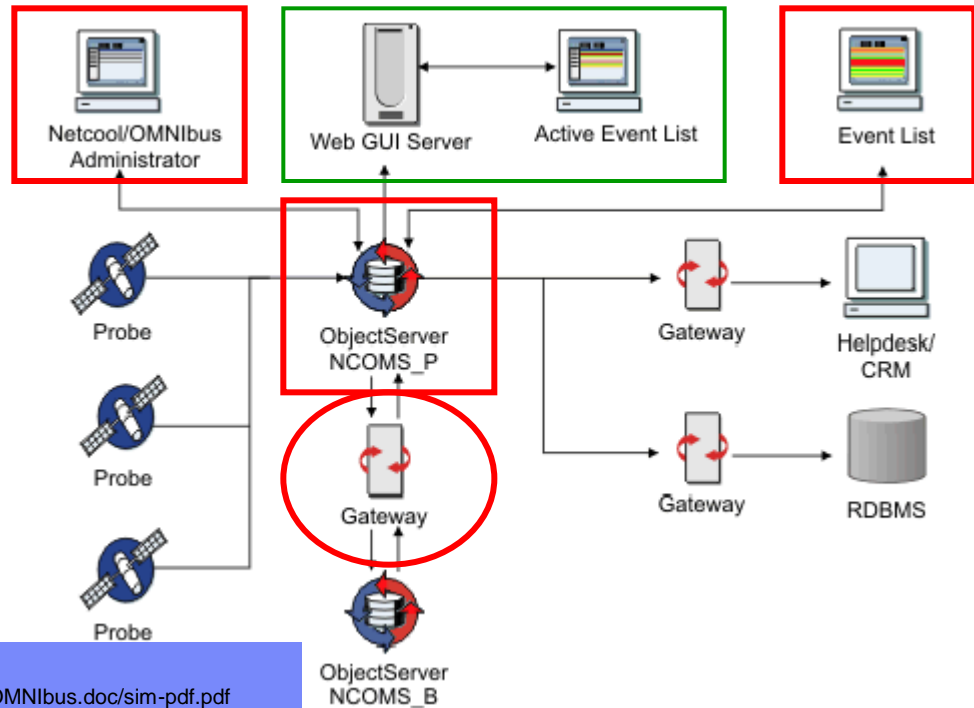
The screenshot shows the Tivoli Netcool Web GUI interface. On the left, the navigation menu is visible, with 'Active Event List (AEL)' circled in red. The main window displays the 'Active Event List (AEL)' page, which contains a table of active events. A context menu is open over one of the rows, showing various actions such as 'Acknowledge', 'De-acknowledge', 'Prioritize', 'Suppress/Escalate', 'Take ownership', 'User Assign', 'Group Assign', 'Delete', 'Ping', 'Telnet', 'Tracepath from this host', 'Information...', 'Journal...', and 'Quick Filter'. The 'User Assign' option is expanded, showing a sub-menu with 'ncoadmin', 'ncouser', 'nobody', and 'root'.

Sev	Ack	Node	Alert Group	Summary	Last Occurrence	Count	Type
i	No	box00161	WEBTOP	A WEBTOP process running on box00161 has connected as us...	11/19/12 5:54:42 AM	5	Prob
i	No	box00161	WEBTOP	Acknowledge	11/19/12 5:54:43 AM	1	Prob
i	No	box00161	TIP_NCOS_V...	De-acknowledge	11/19/12 7:06:56 AM	1	Prob
i	No	box00161	Administrator	Priority	11/16/12 11:20:14 AM	1	Prob

Summary

1. Download applications
2. Install Omnibus Core
3. Configure Omnibus Core
4. Install Web GUI
5. Configure Web GUI

Tivoli Netcool/OMNIBus component architecture



Netcool/SimNet Probe:

http://publib.boulder.ibm.com/infocenter/tivihelp/v8r1/topic/com.ibm.netcool_OMNIBus.doc/sim-pdf.pdf

- We now have a Web GUI connecting to one ObjectServer on the same machine sharing the same Deployment Engine with default Web GUI pages such as the AEL page.

Overview – Tivoli Integrated Portal (TIP)

- TIP = Common GUI
- Page Management – Manage Pages and Folders

Folders contain Pages. Pages Contain Portlets. Portlets are applications/components like AEL, LEL, Maps.

- View Management – Manage Views. Views group Pages.

The screenshot shows the Tivoli Integrated Portal (TIP) interface. On the left is a navigation tree with categories like Settings, Administration, Availability, and Troubleshooting and Support. On the right is the 'Active Event List (AEL)' portlet, which displays a table of events. A context menu is open over the table, showing options like 'User Assign', 'Group Assign', 'Delete', etc. Red arrows point from labels 'TIP Pages' and 'TIP Folder' to the navigation tree.

TIP Pages

TIP Folder

Sev	Ack	Node	Alert Group	Summary	Last Occurrence	Count	Type
[i]	No	box00161	WEBTOP	A WEBTOP process running on box00161 has connected as us...	11/19/12 5:54:42 AM	5	Prob
[i]	No	box00161	WEBTOP	Acknowledge Ctrl+A	11/19/12 5:54:43 AM	1	Prob
[i]	No	box00161	TIP_NCOS_V...	De-acknowledge Ctrl+D	11/19/12 7:06:56 AM	1	Prob
[i]	No	box00161	Administrator	Prioritize	11/16/12 11:20:14 AM	1	Prob

Manage Groups

Notes:
Groups from the ObjectServer
O=netcoolObjectServer Repository

WIM Group Management

Search for Groups

Search by: Group name | * Search for: * | * Maximum results: 100

Search

10 groups matched the search criteria.

Create... Delete Select an action...

Select	Group name	Description	Unique Name
<input type="checkbox"/>	Administrator	Admin Group	cn=Administrator,o=netcoolObjectServerRepository
<input type="checkbox"/>	Gateway	Permissions required for a gateway user	cn=Gateway,o=netcoolObjectServerRepository
<input type="checkbox"/>	ISQL	Read only ISQL access	cn=ISQL,o=netcoolObjectServerRepository
<input type="checkbox"/>	ISQLWrite	Write ISQL access	cn=ISQLWrite,o=netcoolObjectServerRepository
<input type="checkbox"/>	Netcool_OMNibus_Admin		cn=Netcool_OMNibus_Admin,o=netcoolObjectServerRepository
<input type="checkbox"/>	Netcool_OMNibus_User		cn=Netcool_OMNibus_User,o=netcoolObjectServerRepository
<input type="checkbox"/>	Normal	Normal Group	cn=Normal,o=netcoolObjectServerRepository
<input type="checkbox"/>	Probe	Permissions required for a probe user	cn=Probe,o=netcoolObjectServerRepository
<input type="checkbox"/>	Public	Public Group	cn=Public,o=netcoolObjectServerRepository
<input type="checkbox"/>	System	System Group	cn=System,o=netcoolObjectServerRepository

Page 1 of 1 Total: 10

Manage Users

The screenshot displays the Tivoli Integrated Portal's WIM User Management interface. The left sidebar contains a navigation menu with 'Manage Users' circled in red. The main content area shows a search for users with the following results:

Select	User ID	First name	Last name	E-mail	Unique Name
<input type="checkbox"/>	ncoadmin	ncoadmin	tivoli		uid=ncoadmin,o=netcoolObjectServerRepository
<input type="checkbox"/>	ncouser	ncouser	tivoli		uid=ncouser,o=netcoolObjectServerRepository
<input type="checkbox"/>	nobody		Nobody		uid=nobody,o=netcoolObjectServerRepository
<input type="checkbox"/>	root	Root	User		uid=root,o=netcoolObjectServerRepository
<input type="checkbox"/>	tipadmin	tipadmin	tipadmin		uid=tipadmin,o=defaultWIMFileBasedRealm

Page 1 of 1 Total: 5

Notes:
Users from the ObjectServer and local (o=defaultWIMFileBasedRealm).

Group Roles

Notes:
 Netcool_OMNIBu_Admin and Netcool_OMNIBus_User group have default ncw_* or netcool_* assigned.

Available Groups

Assign roles to a selected group.

Group ID: Description:

Number of results to display: 20

Group Name	Roles	Unique Name
Administrator		cn=Administrator,o=netcoolObjectServerRepository
Gateway		cn=Gateway,o=netcoolObjectServerRepository
ISQL		cn=ISQL,o=netcoolObjectServerRepository
ISQL Write		cn=ISQLWrite,o=netcoolObjectServerRepository
Netcool_OMNIBus_Admin	ncw_user, ncw_admin, ncw_dashboard_editor, ncw_gauges_editor, netcool_rw	cn=Netcool_OMNIBus_Admin,o=netcoolObjectServerRepository
Netcool_OMNIBus_User	ncw_user, netcool_ro	cn=Netcool_OMNIBus_User,o=netcoolObjectServerRepository

Total: 10

User Roles

Notes:
Assigned roles show in the Roles column.

User ID	First Name	Last Name	Roles	E-mail
ncoadmin	ncoadmin	tivoli	administrator, iscadmins	
ncouser	ncouser	tivoli		
nobody	Nobody	Nobody		
root	Root	User	ncw_user, ncw_admin, netcool_rw	
tipadmin	tipadmin	tipadmin	chartAdministrator, monitor, iscadmins	

Total: 5

Web GUI pages

The screenshot shows the Tivoli Integrated Portal in a Mozilla Firefox browser window. The address bar displays the URL: `https://192.168.10.161:16311/ibm/console/login.do?action=secure`. The page title is "Tivoli Integrated Portal".

The left sidebar contains a navigation menu with the following categories:

- Settings
 - WebSphere Administrative Console
 - User Preferences for Tivoli Netcool/OMNibus Web GUI
 - Page Management
 - View Management
 - Portlet Management
 - Console Preference Profiles
 - Manage Global Refresh
 - Credential Store
 - Change Your Password
 - Export Wizard
- Administration
 - Event Management Tools
 - Filters
 - Views
 - Tool Creation
 - Menu Configuration
 - Maps
 - Map Creation
 - Map Resources
 - CGI Registry
 - Event Database Query
- Availability
 - Events
 - Event Dashboard
 - Performance
 - Details and Journals
 - Active Event List (AEL)
 - Lightweight Event List (LEL)
 - Table View
 - Example Maps
- Troubleshooting and Support
 - System Information for Tivoli Netcool/OMNibus Web GUI

The main content area displays the "System Information for Tivoli Netcool/OMNibus Web GUI" page. The information includes:

```

*****
Tivoli Netcool/OMNibus Web GUI DATA REPORT START
*****
Mon Nov 19 06:35:18 PST 2012

Tivoli Netcool/OMNibus Web GUI Server Version
*****
Tivoli Netcool/OMNibus Web GUI: 7.3.1
IBM Tivoli Netcool/OMNibus V7.3.1 Web GUI build 453 (12:26 Feb 07 2011)

Dashboard Common Infrastructure (DCI)
*****
DCI Security: 2.2.0.43

Java Runtime Environment
*****
Java version: 1.6.0
Java location: /lopt/stanford/install/opt/ibm/tivoli/tipv2/java/jre

Memory Usage
*****
JVM total memory: 233508K
JVM free memory: 20752K

Platform Information
*****
Platform: Linux x86
Platform version: 2.6.27.19-5-pae

Tivoli Netcool/OMNibus Web GUI Server Properties
*****
Protocols in use:
    
```

A blue callout box on the right side of the screenshot contains the text "WebGUI System Information". A red arrow points from the "System Information for Tivoli Netcool/OMNibus Web GUI" menu item in the left sidebar to the corresponding system information page in the main content area.

Web GUI page – User Preferences

User Preferences for Tivoli Netcool/OMNIBus Web GUI

User name: root

User filter:

User's home-page: /

Event List Configuration

- Allow filter and view selection
- Allow filter builder access
- Allow view builder access
- Allow preference configuration
- Allow refresh rate configuration

Refresh rate (seconds):

Minimum refresh rate (seconds):

- Allow event selection
- Show basic event information
- Show event details
- Show journals
- Edit journals (read write role)

Globalization Settings

Calendar Type:

Enable Bidi support

Plain text alignment in editable fields and cursor position in empty editable fields

What is a Web GUI AEL

- Active Event List – An interactive table where rows of events from the ObjectServer db are displayed based on Filters and Views and can be managed using Tools shown in Menus.

The screenshot displays the Tivoli Integrated Portal's Active Event List (AEL) interface. The interface is divided into several sections:

- Navigation Menu (Left):** Contains categories like 'Settings', 'Administration', 'Event Management Tools', 'Maps', 'Availability', and 'Troubleshooting and Support'. Under 'Event Management Tools', there are sub-items for 'Filters', 'Views', 'Tool Creation', and 'Menu Configuration'. Under 'Availability', there is an 'Events' section with sub-items: 'Event Dashboard', 'Performance', 'Details and Journals', 'Active Event List (AEL)', 'Lightweight Event List (LEL)', and 'Table View'.
- Active Event List (AEL) Table:** A table with columns: 'Sev', 'Ack', 'Node', 'Alert Group', 'Summary', and 'Last Occur'. The table contains several rows of event data. A red box labeled 'Events' points to this table.
- Context Menu (Right):** A menu is open over the table, listing various actions such as 'Acknowledge', 'De-acknowledge', 'Prioritize', 'Suppress/Escalate', 'Take ownership', 'User Assign', 'Group Assign', 'Delete', 'Ping', 'Telnet', 'Tracepath from this host', 'Information...', 'Journal...', and 'Quick Filter'. A blue box labeled 'Tools' points to this menu.
- Severity Bar (Bottom):** A bar at the bottom of the table shows event counts by severity: 1 Critical (red), 1 High (yellow), 1 Medium (blue), and 1 Low (purple). A blue box labeled 'Severity' points to this bar.
- Menu (alerts):** A blue box labeled 'Menu (alerts)' points to the 'Menu Configuration' option in the left navigation menu.

Sev	Ack	Node	Alert Group	Summary	Last Occur
High	No	box00161	WEBTOP	A WEBTOP process running on box00161 has connected as us...	11/19/12 9:4
High	No	box00161	Administrator	A Administrator process running on box00161 has connected a...	11/16/12 11
High	No	box00161	TIP_NCOS_V...	A TIP_NCOS_VMM_PRIMARY process running on box00161 ha...	11/19/12 11
High	No	box00161	WEBTOP	A WEBTOP process running on box00161 has connected as us...	11/19/12 9:4

Web GUI AEL portlet properties

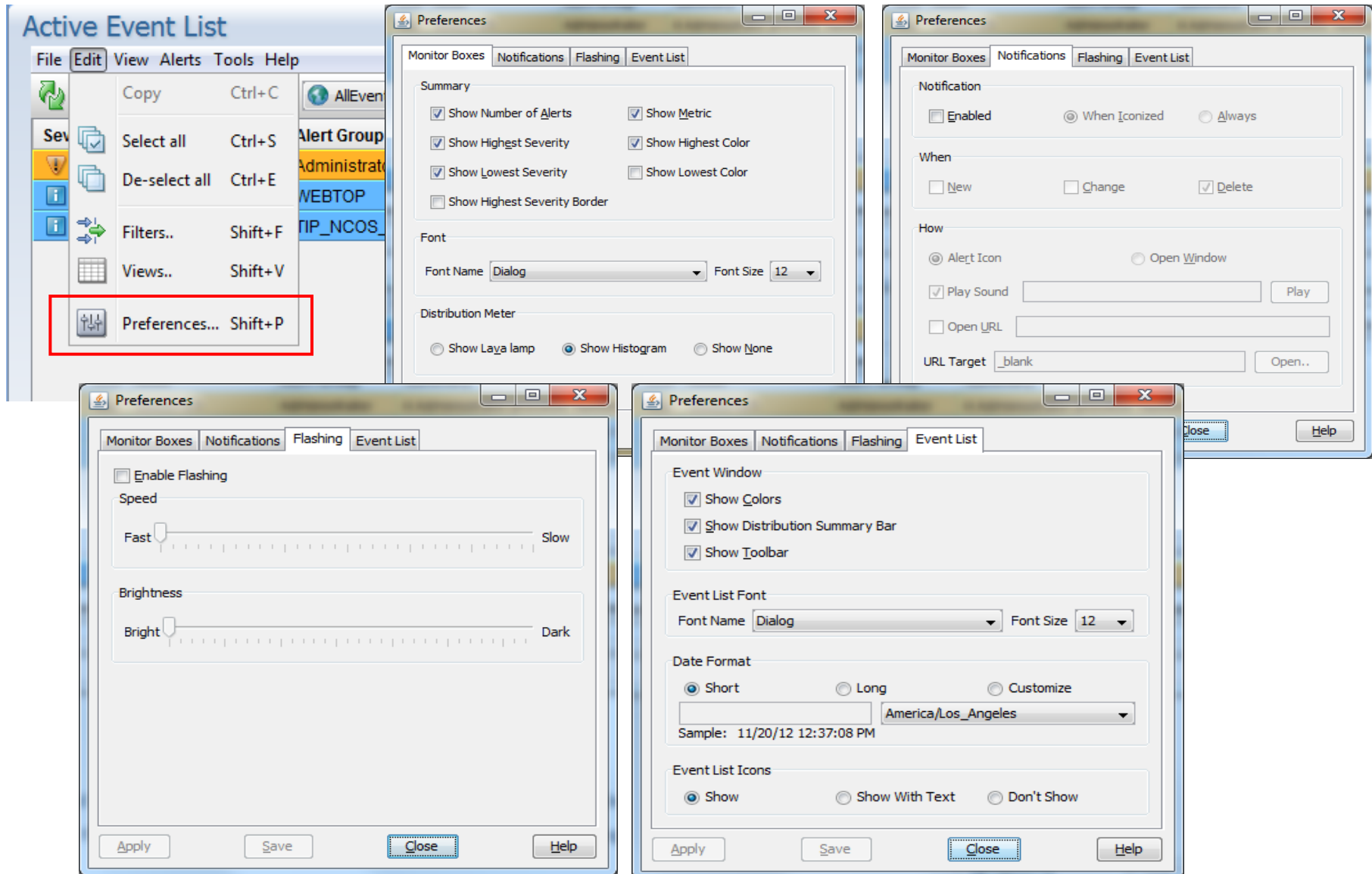
The screenshot displays the 'Active Event List (AEL)' portlet properties dialog box. The dialog is titled 'Active Event List (AEL)' and contains several sections for configuration:

- General Settings:**
 - Filter: Default
 - Filter SQL: [Text Field]
 - View: Default
 - Transient filter name: [Text Field]
 - Event list single-click action: <none>
 - Event list double-click action: Information
- Data Sources:**

Select	Name	Available	Default
<input checked="" type="checkbox"/>	NCOMSP	Yes	Yes
- Appearance of the AEL:**
 - Portlet Title: Active Event List
 - Use Customizer:
 - Height: 500
 - Title Bar:
 - Menu Bar:
 - Tool Bar:
 - Filters and Views:
 - Summary Bar:
 - Status Bar:
- Bidi Settings:**
 - Component Direction: Default
 - Text Direction: Default

At the bottom of the dialog are 'OK' and 'Cancel' buttons. In the background, the main AEL portlet interface is visible, showing a table of events and a context menu with options: Personalize, Edit Shared Settings, Minimize, and Maximize. A red circle highlights the maximize button in the portlet's title bar, and a red arrow points from it to the 'Maximize' option in the context menu.

Web GUI AEL properties



What are Web GUI Filters

Web GUI Filters = WHERE of SQL statements to select rows from the ObjectServer.

i.e

Severity \geq 0;

The screenshot displays the 'Active Event List' web interface. A red box highlights the 'AllEvents' dropdown menu, which is currently open, showing a list of filter options: Critical, Unacknowledged, Unassigned, AllEvents, Default, DefaultTable, Escalated, and Information. The 'AllEvents' option is selected. The main table below shows a list of events with columns for Severity (Sev), Acknowledgment (Ack), Node, and Last Occurrence. The table contains three rows of event data.

Sev	Ack	Node	Last Occurrence
!	No	box00161	on box00161 has connected a...
i	No	box00161	box00161 has connected as us...
i	No	box00161	cess running on box00161 ha...

At the bottom of the interface, there is a status bar showing '0 rows inserted, 0 rows updated, and 0 rows deleted.' and 'Data Source(s): NCOMSP QuickFilter: None Auto refresh in: 39 sec.'

Creating Web GUI Filters

Types of Filters:
 My Filters = yours
 Global = all have access
 System = just admins
 (Webtop Entities = Systems)

Filter Configuration Details:

- Name:** AllEventsSTE
- Default view:** Default
- Description:** Show All Events
- Data Source:** Click to show
- Field:** Severity
- Comparator:** >=
- Value:** 0

Buttons: Save and Close, Save, Close

Using Web GUI Filters

Active Event List (AEL) x

Active Event List (AEL)

Default

- AllEventsSTE
- Critical
- Unacknowledged
- Unassigned
- AllEvents
- Default
- DefaultTable
- Escalated

Sev	Ack	Node	Last Occurrence	Count
All Events (0)				

0 rows inserted, 0 rows updated, and 0 rows deleted.

Active Event List (AEL) x

Active Event List (AEL)

AllEventsSTE

Sev	Ack	Node	Alert Group	Summary	Last Occurrence	Count
✖	No	box00161	WEBTOP	A WEBTOP process running on box00161 has connected as us...	11/19/12 9:41:47 AM	3
⚠	No	box00161	Administrator	A Administrator process running on box00161 has connected a...	11/16/12 11:20:14 AM	1
ℹ	No	box00161	TIP_NCOS_V...	A TIP_NCOS_VMM_PRIMARY process running on box00161 ha...	11/19/12 11:02:33 AM	1
⬅	No	box00161	WEBTOP	A WEBTOP process running on box00161 has connected as us...	11/19/12 9:41:46 AM	3

4 rows inserted, 4 rows updated, and 0 rows deleted.

Data Source(s): NCOMSP QuickFilter: None Auto refresh in: 24 sec.

What are Web GUI Views

View = a set of columns (fields) from the ObjectServers to display in the AEL

The screenshot displays the 'Active Event List' (AEL) web GUI. The interface includes a menu bar (File, Edit, View, Alerts, Tools, Help), a toolbar with various icons, and a table of events. A red circle highlights the 'AllEvents' dropdown menu and the 'Default' view selector. A red rectangle highlights the table columns: 'Sev', 'Ack', 'Node', 'Alert Group', 'Summary', and 'Last Occurrence'.

Sev	Ack	Node	Alert Group	Summary	Last Occurrence
!	No	box00161	Administrator	A Administrator process running on box00161 has connected a...	11/16/12 11:20:14 AM
i	No	box00161	WEBTOP	A WEBTOP process running on box00161 has connected as us...	11/20/12 8:59:03 AM
i	No	box00161	TIP_NCOS_V...	A TIP_NCOS_VMM_PRIMARY process running on box00161 ha...	11/20/12 9:02:40 AM

Creating Web GUI Views

Avoid illegal char in names!
(omnibus_webgui/etc/illegalChar.prop)

* required field

Name: ViewSTE

Data Source: Click to show

Display Columns

Available fields:

- Acknowledged
- Agent
- AlertGroup
- AlertKey
- BSM_Identity
- Class
- Customer
- EventId
- ExpireTime
- ExtendedAttr
- FirstOccurrence
- Flash
- Grade
- Identifier
- Internallast
- LocalNodeAlias
- LocalPriObj
- LocalRootObj

Event list view:

- Serial (locked)
- LastOccurrence
- Node
- Summary
- Tally

Lock column

Column title: Serial Justify title: Left

Column width: 25 Justify data: Left

Sort Columns

Available sort fields:

- Acknowledged
- Agent
- AlertGroup
- AlertKey
- BSM_Identity

Sorted by: Severity [asc]

Buttons: Save and Close, Save, Close, Ok, Clear

Using Web GUI Views

Active Event List (AEL) -- Select Action --

Active Event List

File Edit View Alerts Tools Help

AllEvents Default

Sev	Ack	Node	Alert Group	Summary	Count
Warning	No	box00161	Administrator	A Administrator process running on box00161	1
Info	No	box00161	WEBTOP	A WEBTOP process running on box00161	5
Info	No	box00161	TIP_NCOS_V...	A TIP_NCOS_VMM_PRIMARY process running on box00161 ha... 11/20/12 9:02:40 AM	2

Active Event List (AEL) -- Select Action --

Active Event List

File Edit View Alerts Tools Help

AllEvents ViewsSTE

Serial	LastOccurrence	Node	Summary
36	11/20/12 8:59:03 AM	box00161	A WEBTOP process
37	11/20/12 9:02:40 AM	box00161	A TIP_NCOS_VMM_F
12	11/16/12 11:20:14 AM	box00161	A Administrator proc

3 rows inserted, 3 rows updated, and 0 rows deleted. Data Source(s): NCOMSP QuickFilter: None Auto refresh in: 6 sec.

What are Web GUI Tools

- Use to manage events

The screenshot shows the Tivoli Active Event List (AEL) web interface. The left sidebar contains a navigation menu with categories like Settings, Administration, Availability, and Troubleshooting. The main area displays a table of active events. A context menu is open over the table, showing various actions such as Acknowledge, De-acknowledge, Prioritize, and User Assign. A blue box labeled 'Tools' is overlaid on the context menu.

Sev	Ack	Node	Alert Group	Summary	Last Occurrence	Count	Type
i	No	box00161	WEBTOP	A WEBTOP process running on box00161 has connected as us...	11/19/12 5:54:42 AM	5	Prob
i	No	box00161	WEBTOP	161 has connected as us...	11/19/12 5:54:43 AM	1	Prob
i	No	box00161	TIP_NCOS_V...	running on box00161 ha...	11/19/12 7:06:56 AM	1	Prob
i	No	box00161	Administrator	box00161 has connected a...	11/16/12 11:20:14 AM	1	Prob

Tools

- Acknowledge (Ctrl+A)
- De-acknowledge (Ctrl+D)
- Prioritize
- Suppress/Escalate
- Take ownership
- User Assign
 - ncoadmin
 - ncouser
 - nobody
 - root
- Group Assign
- Delete
- Ping
- Telnet
- Tracepath from this host
- Information... (Shift+I)
- Journal... (Ctrl+J)
- Quick Filter

Creating a Web GUI Tool

The screenshot shows the 'Tool Creation' web interface. On the left is a navigation sidebar with categories like 'Settings', 'Administration', 'Event Management Tools', 'Maps', 'Availability', and 'Troubleshooting and Support'. 'Tool Creation' is selected under 'Administration'. The main content area is titled 'Tool Creation' and includes a list of tool actions (e.g., acknowledge, delete, groupassign). The 'Name' field is set to 'ToolSTESql'. The 'Type' dropdown is set to 'SQL'. The 'Tool Configuration' section shows 'SQL' selected, and the 'SQL Commands' field contains the following text: `update alerts.status set URL='www.ibm.com' where Serial in ($selected_rows.Serial);`. The 'Access Criteria' section shows a list of available users: 'Netcool_OMNIBus_Admin' and 'Netcool_OMNIBus_User'. At the bottom are 'Save' and 'Cancel' buttons.

Types:

SQL = update, delete (Acknowledge)

CGI/URL = Perl (Remote Ping)

Command = Local commands (Ping)

Script = JavaScript

What are Web GUI Menus

- Use to arrange the Tools for display

The screenshot shows the Tivoli Netcool/OMNIBus Web GUI interface. On the left is a navigation tree with categories like Settings, Administration, Availability, and Troubleshooting. The main area displays the 'Active Event List (AEL)' with a table of events. A context menu is open over one of the events, showing various actions like Acknowledge, De-acknowledge, Prioritize, and User Assign. A blue box labeled 'Menu' with a red bracket points to this context menu.

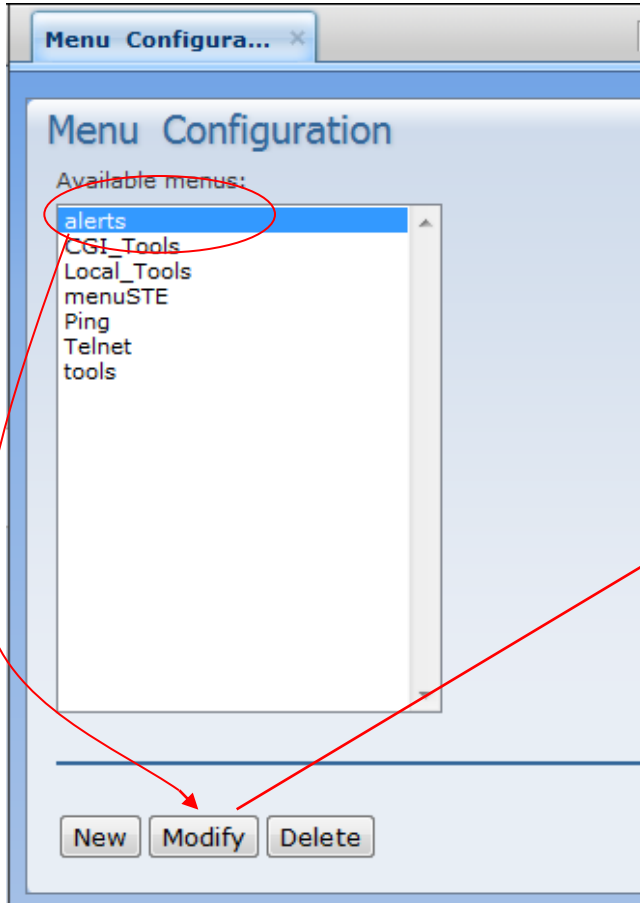
Sev	Ack	Node	Alert Group	Summary	Last Occurrence	Count	Type
	No	box00161	WEBTOP	A WEBTOP process running on box00161 has connected as us...	11/19/12 5:54:42 AM	5	Prob
	No	box00161	WEBTOP	Acknowledge Ctrl+A 161 has connected as us...	11/19/12 5:54:43 AM	1	Prob
	No	box00161	TIP_NCOS_V...	De-acknowledge Ctrl+D running on box00161 ha...	11/19/12 7:06:56 AM	1	Prob
	No	box00161	Administrator	Prioritize xx00161 has connected a...	11/16/12 11:20:14 AM	1	Prob

Creating a Web GUI Menu and adding a Tool

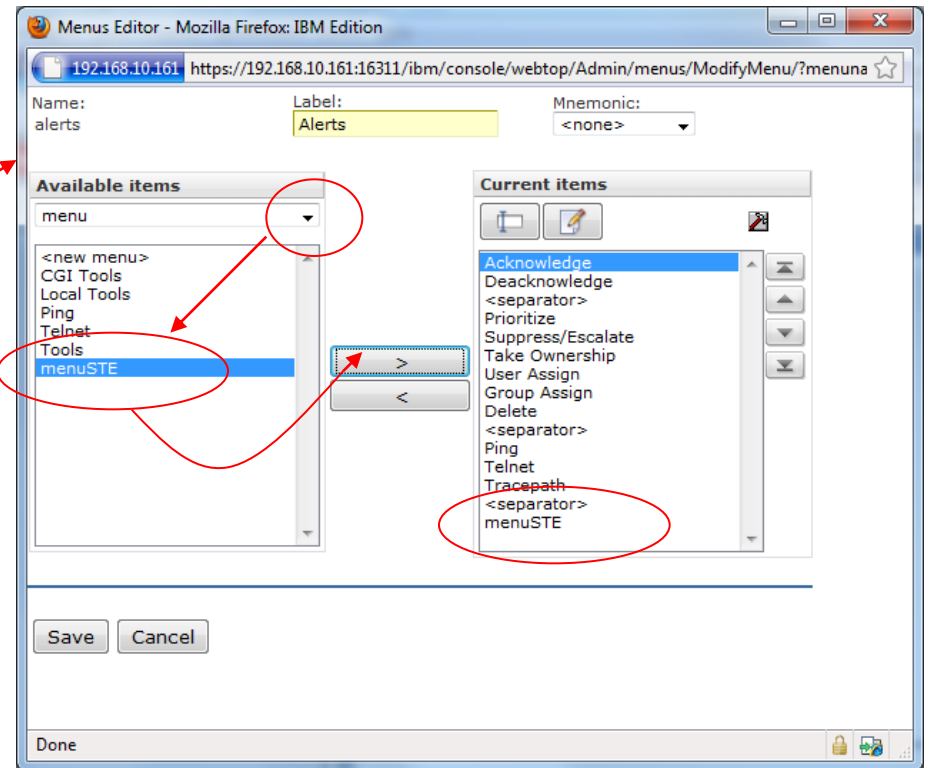
The screenshot illustrates the process of creating a web GUI menu and adding a tool. It is divided into three main sections:

- Left Panel (Navigation):** A tree view showing the system's structure. The 'Menu Configuration' option under 'Administration' is circled in red. Below it, the 'New' button is also circled in red.
- Main Panel (Menu Configuration):** A window titled 'Menu Configuration' with a tab 'Menu Configuration'. It lists 'Available menus' including 'alerts', 'CGI_Tools', 'Local_Tools', 'menuSTE', 'Ping', 'Telnet', and 'tools'. The 'New' button at the bottom is circled in red.
- Modal Window (Menu Editor):** A 'Menu Editor - Mozilla Firefox: IBM Edition' window is open. It shows the configuration for a new menu item:
 - Name:** menuSTE
 - Label:** menuSTE
 - Mnemonic:** <none>
 - Available items:** A list of tools including '<new tool>', 'acknowledge', 'deacknowledge', 'delete', 'groupassign', 'LocalPing', 'LocalTelnet', 'prioritise', 'PromptedPing', 'PromptedTelnet', 'RemotePing', 'SuppressEscalate', 'takeownership', 'ToolSTESql', 'Tracepath', and 'userassign'. 'ToolSTESql' is highlighted in blue and circled in red.
 - Current items:** A list containing 'ToolSTESql', which is also circled in red.
 - Buttons:** '>' and '<' buttons are used to move items between the two lists.
 - Footer:** 'Save' and 'Cancel' buttons are visible.

Modifying the “alerts” menu to add new menu



“Available items” = <seperator>, tools, and menu



Using a Tool via Menu

update alerts.status set URL='www.ibm.com' where
Serial in (\$selected_rows.Serial);

The screenshot shows the 'Active Event List' application window. The main table contains the following data:

Serial	LastOccurrence	Node	Summary	Tally
12	11/16/12 11:20:14 AM	box00161	A Administrator process running on box00161	
4		box00161	A Administrator process running on box00161	
7		box00161	A WEBTOP process running on box00161	
7		box00161	A WEBTOP process running on box00161	
8		box00161	A TIP_NCOS_VMM_PRIMARY process running on box00161	

A context menu is open over the first row (Serial 12). The menu items are:

- Acknowledge (Ctrl+A)
- De-acknowledge (Ctrl+D)
- Prioritize
- Suppress/Escalate
- Take ownership
- User Assign
- Group Assign
- Delete
- Ping
- Telnet
- Tracepath from this host
- menuSTE (highlighted with a red circle)
 - ToolSTESql
- Information... (Shift+I)
- Journal... (Ctrl+J)
- Quick Filter

An 'Alert Status for Serial Number 12' dialog box is open, showing the following details:

Field	Value
Service	
Severity	
StateChange	12/2/12 7:35:08 PM
Summary	A Administrator process running on box00161
SuppressEscl	Normal
Count	1
TaskList	Not in Task List
Type	Problem
URL	www.ibm.com
X733CorrNotif	
X733EventType	Not Defined
X733ProbableCa...	Not Defined
X733SpecificProb	

The 'URL' field in the dialog is highlighted in blue. At the bottom of the dialog, there are 'Previous', 'Next', 'Close', and 'Help' buttons.

What are Web GUI Maps

- Use for high-level presentation.

The screenshot displays the IBM Active Event List (AEL) web GUI. On the left is a navigation menu with categories like Administration, Availability, and Example Maps. The main area shows a 'Global Network Status' map with green circles and lines indicating network connections. Below the map are four summary boxes: Critical (Total: 1, Highest: Critical), Unassigned (Total: 5, Highest: Critical), Last Day (Total: 3, Highest: Minor), and All Events (Total: 5, Highest: Critical). An inset window titled 'Active Event List window - Mozilla Firefox: IBM Edition' shows a table with columns for Sev, Ack, Node, Alert Group, and Summary. A red arrow points from the 'Node' column in the table to a specific location on the map.

Sev	Ack	Node	Alert Group	Summary
0 rows inserted, 0 rows updated, and 0 rows deleted.				

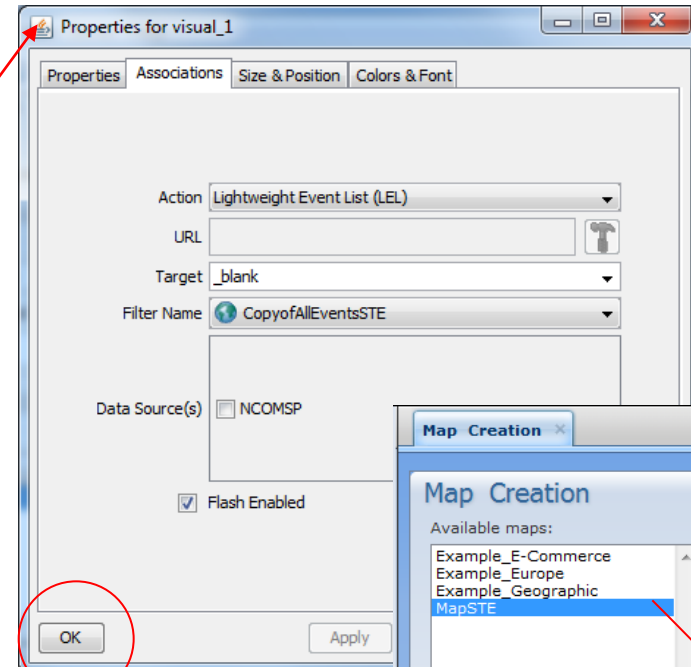
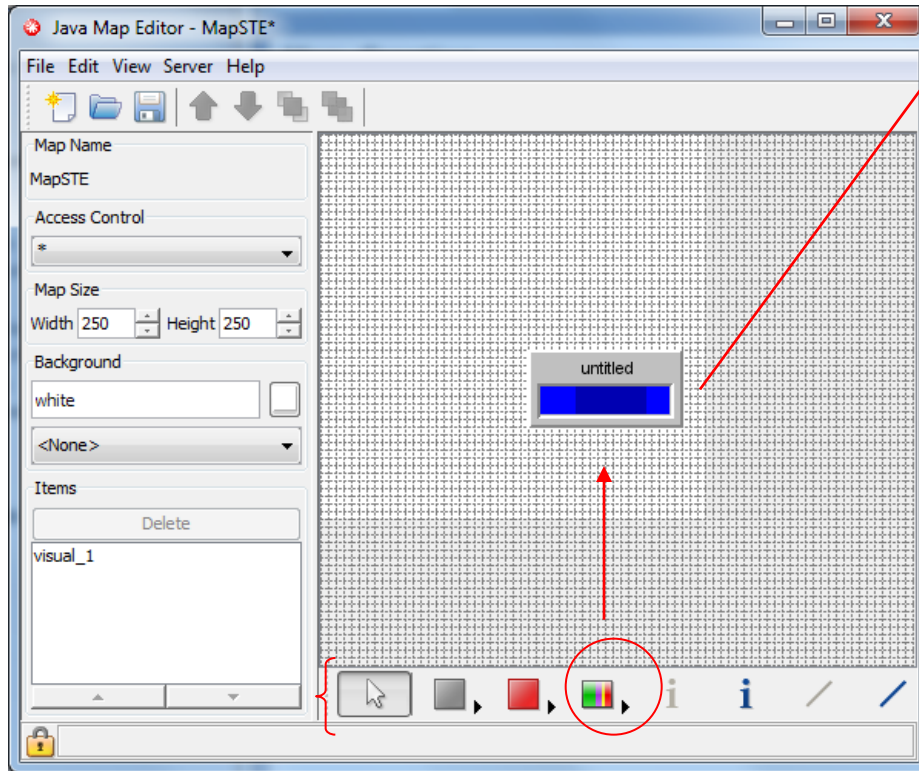
Creating a Web GUI Map with Java Map Editor

- Wait for Editor to initialized.

Map Creation = Load the Map Editor to create Maps

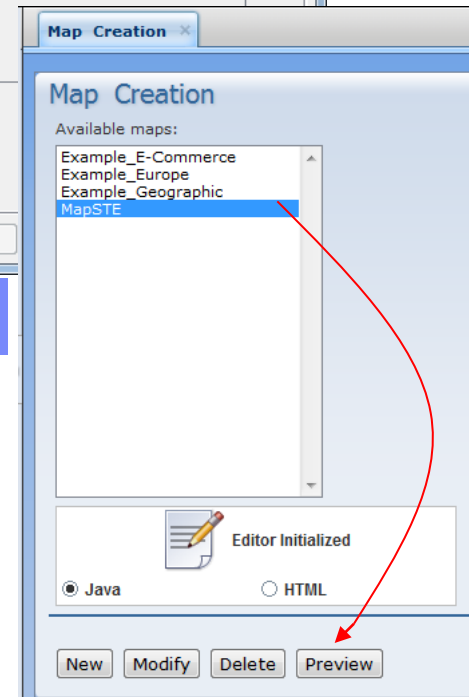
Map Resources = Manage files (graphics) for Map Editor use

Using the Java Map Editor

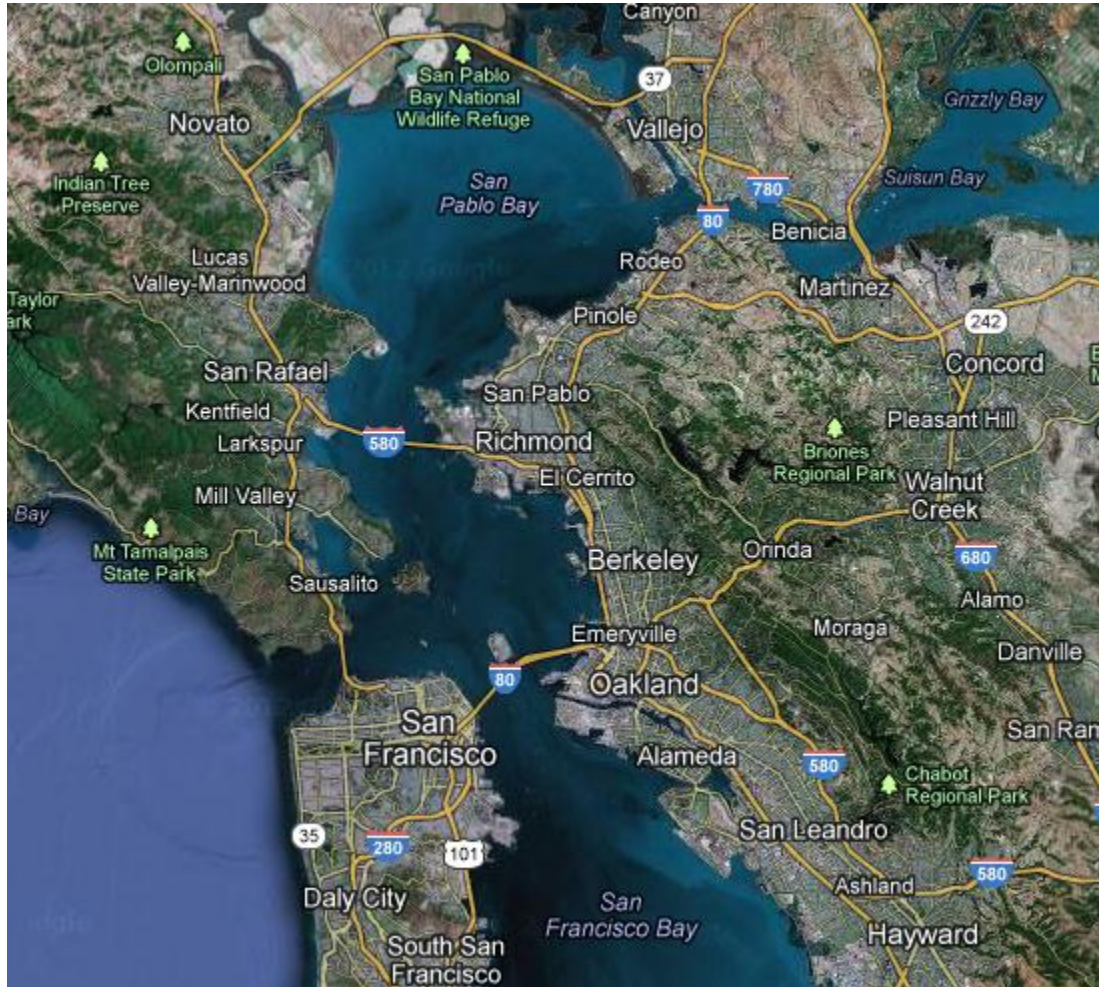


Ok, then Save.

Action = AEL, LEL, TableView, or URL
 Filter Name = CopyofAllEvents (copied from My Filters to Global)



Map Preview



Map Preview (real one)

Map : MapSTE - Mozilla Firefox: IBM Edition

192.168.10.161 https://192.168.10.161:16311

untitled

LEL 7.3 - filter: [global] CopyofAllEventsSTE view: basic - Mozilla Firefox: IBM Edition

192.168.10.161 https://192.168.10.161:16311/ibm/console/webtop/lwsel/lwsel.jsp?bidisupport=false&textdirecti

https://192.168.10.161:16311/CopyofAllEventsSTE

Sev	Ack	Node	Alert Group	Summary
Critic	No	box00161	Administrator	A Administrator process running on box00161 has connected
Majo	No	box00161	Administrator	A Administrator process running on box00161 has connected
Warr	No	box00161	WEBTOP	A WEBTOP process running on box00161 has connected as us
Warr	No	box00161	WEBTOP	A WEBTOP process running on box00161 has connected as us
Warr	No	box00161	TIP_NCOS_VMM	A TIP_NCOS_VMM_PRIMARY process running on box00161 ha

3/3 1/1 1/1 All[5/5]

5 Rows Matched root 192.168.10.161:16311

Done

If Action = TableView

Filter [GLOBAL]CopyofAllEventsSTE of View [GLOBAL]Default at datasource - Mozilla Firefox: IBM Edition

File Edit View History Bookmarks Tools Help

192.168.10.161 https://192.168.10.161:16311/ibm/console/webtop/TableView/?bidi

Filter [GLOBAL]CopyofAllEventsS...

Filter: [GLOBAL]CopyofAllEventsSTE View: [GLOBAL]Default DataSource: NCOMSP

Sev	Ack	Node	Alert Group	Summary	Last Occurrence
Critic	No	box00161	Administrator	A Administrator process running on box00161 has connected as	11/21/12 1:42:56 PM
Majo	No	box00161	Administrator	A Administrator process running on box00161 has connected as	11/16/12 7:20:14 PM
Warr	No	box00161	WEBTOP	A WEBTOP process running on box00161 has connected as use	12/5/12 3:51:52 AM
Warr	No	box00161	WEBTOP	A WEBTOP process running on box00161 has connected as use	12/5/12 3:51:53 AM
Warr	No	box00161	TIP_NCOS_VMM	A TIP_NCOS_VMM_PRIMARY process running on box00161 has c	12/5/12 3:56:34 AM

Done

Creating a TIP Folder for a page

The screenshot shows the Tivoli Page Management console interface. The main window is titled "Page Management" and displays a "New Folder" form. The form includes the following fields:

- Folder name:** FolderSTE
- Folder location:** console/
- Navigation visibility:** Visible
- Type of folder:** Custom
- Folder unique name:** lab

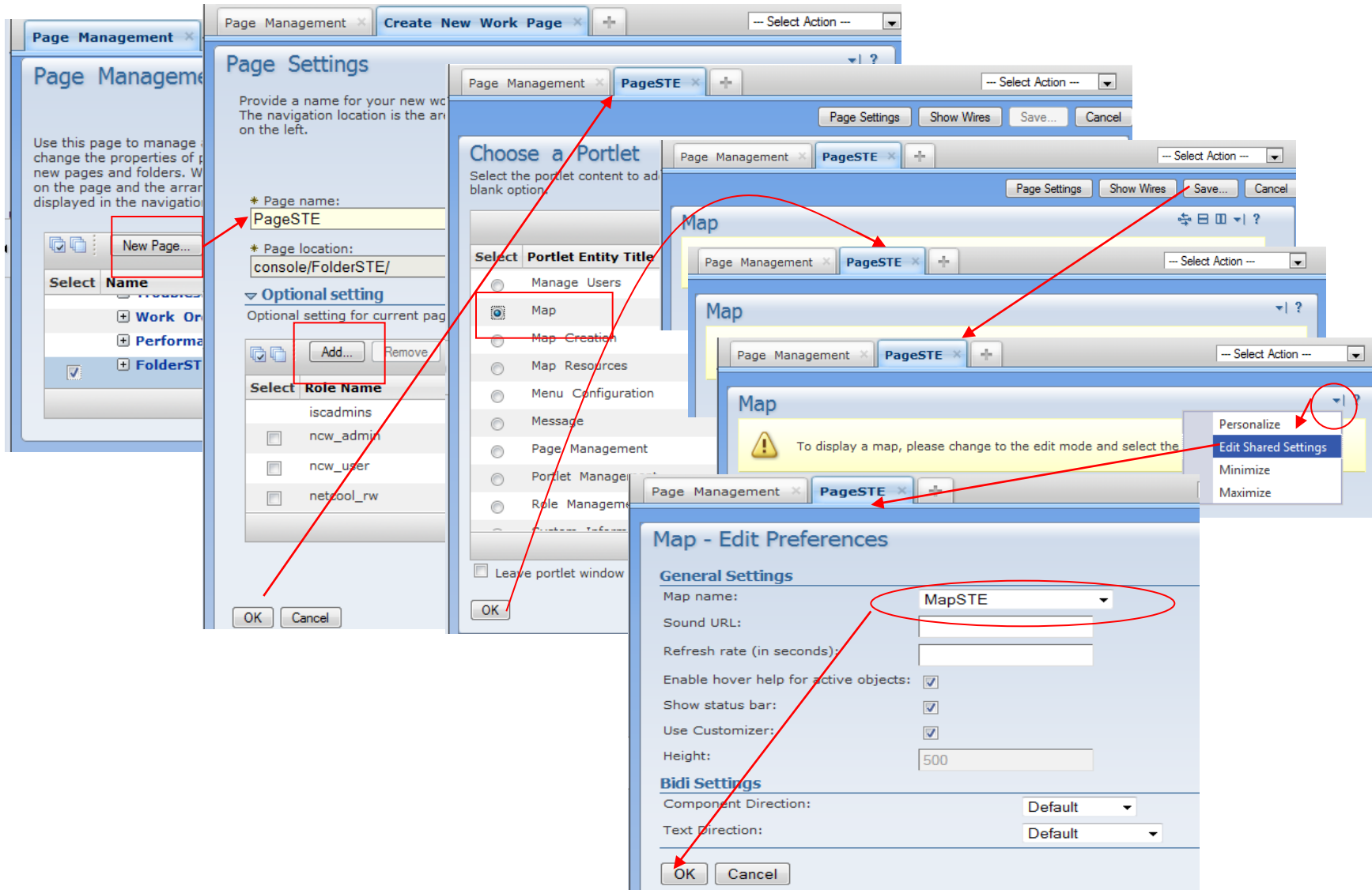
Red circles highlight the "New Folder..." button in the top toolbar and the "Save" button at the bottom of the form. A red arrow points from the "Save" button to the "FolderSTE (empty)" entry in the list below.

The list below the form shows the following items:

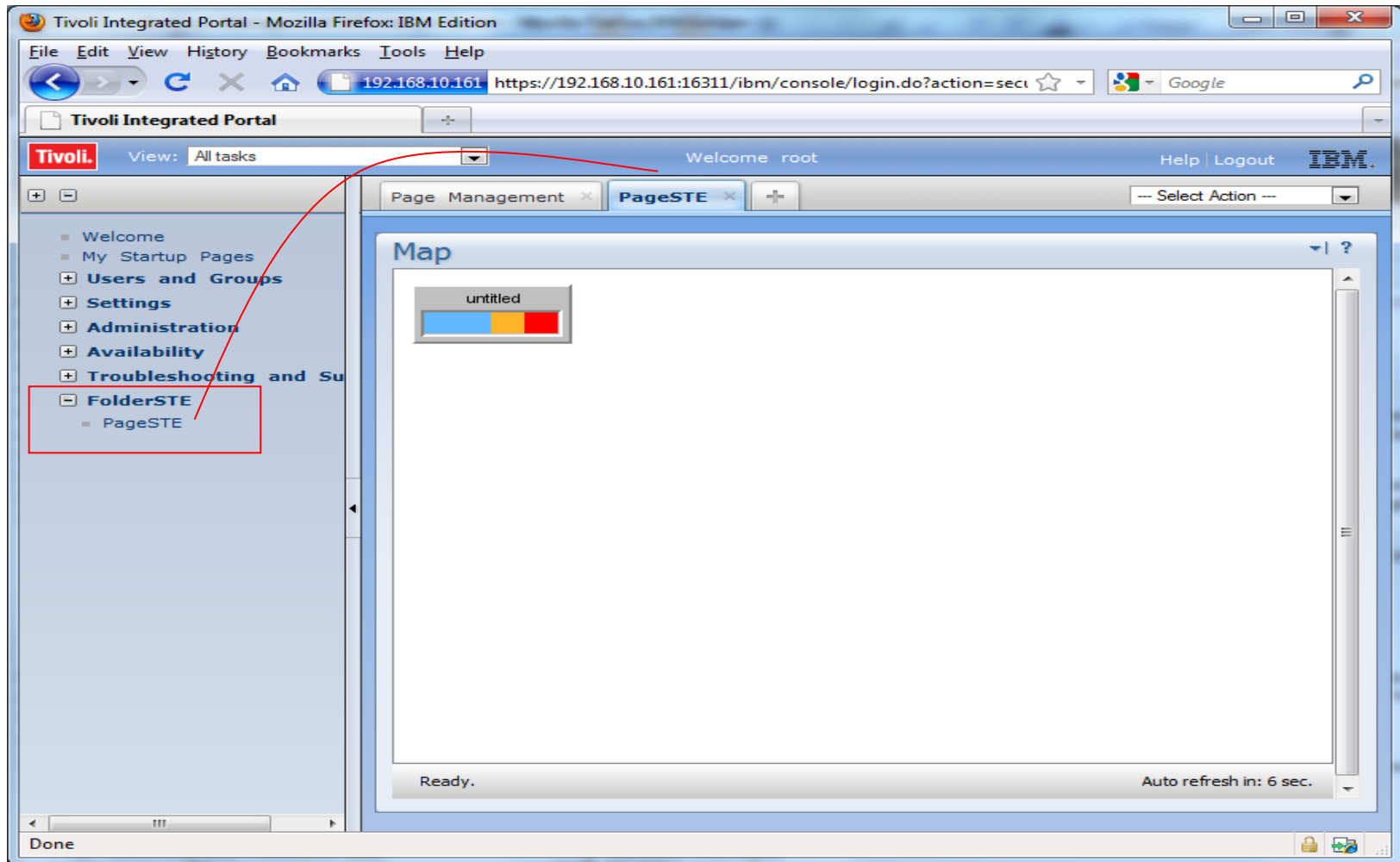
Select	Name	Type
<input type="checkbox"/>	Welcome	System
<input type="checkbox"/>	My Startup Pages	System
<input type="checkbox"/>	Users and Groups	System
<input type="checkbox"/>	Settings	System
<input type="checkbox"/>	My Workspaces (empty)	System
<input type="checkbox"/>	Administration	System
<input type="checkbox"/>	Assets (empty)	System
<input type="checkbox"/>	Availability	System
<input type="checkbox"/>	Capacity (empty)	System
<input type="checkbox"/>	Change (empty)	System
<input type="checkbox"/>	Discovery (empty)	System
<input type="checkbox"/>	Energy (empty)	System
<input type="checkbox"/>	Financial (empty)	System
<input checked="" type="checkbox"/>	FolderSTE (empty)	Custom

Total: 73 Selected: 1

Creating a TIP page



Loading the TIP Page with a Web GUI Map Portlet



What are SmartPages

- Embed WebGUI components into regular HTML files.

http://publib.boulder.ibm.com/infocenter/tivihelp/v8r1/topic/com.ibm.netcool_OMNIBus.doc_7.3.1/webtop/wip/reference/web_ref_smartpagecmdstemplates.html

- Create HTML file in:

TIPHOME/profiles/TIPProfile/installedApps/TIPCell/isc.ear/OMNIBusWebGUI.war/

```

192.168.10.161 - PuTTY
<!-- enable:SMARTPAGE -->
<!-- Validate: [*,redirect.html] -->

<html>
  <head>
    <title>SmartPage FilterPage Command</title>
  </head>
  <body>
    <p>
      <center>
        <table border =1>
          <tr><td>
            <!-- insert:FILTERPAGE[bgcolor="gray"] -->

            <br>

            <!-- insert:MAPLET[map=MapSTE] -->

          </td></tr>
        </table>
      </p>
    </body>
  </html>
  
```

enable:SMARTPAGE must be the first line.
Validate must be the second line.

You can use SmartPage commands in your Web pages to perform the following tasks:

- Enable a Web page for SmartPage command processing.
- Validate user access to a Web page against a group.
- Insert an AEL applet.
- Insert an AEL applet for each filter in a map.
- Insert a map applet.
- Insert a map applet containing a grid of filters that are associated with a user.
- Insert a hyperlinked list of accessible maps that are associated with a user.
- Insert a Table View.
- Insert the name of the user who is currently logged in.
- Insert the home URL that is associated with a user.

SmartPage loaded

- URL: `https://hostname:port/<context-root>/webtop/<customdir>/page.html`

SmartPage FilterPage Command - Mozilla Firefox: IBM Edition

File Edit View History Bookmarks Tools Help

192.168.10.161 https://192.168.10.161:16311/ibm/console/webtop/smartpages/index.html

SmartPage FilterPage Command

AllEventsSTE	Critical	Unacknowledged	Unassigned
Total: 1	Total: 1	Total: 5	Total: 5
Highest: Critical	Highest: Critical	Highest: Critical	Highest: Critical
Lowest: Critical	Lowest: Critical	Lowest: Warning	Lowest: Warning
Metric: 5	Metric: 1	Metric: 10	Metric: 10

untitled

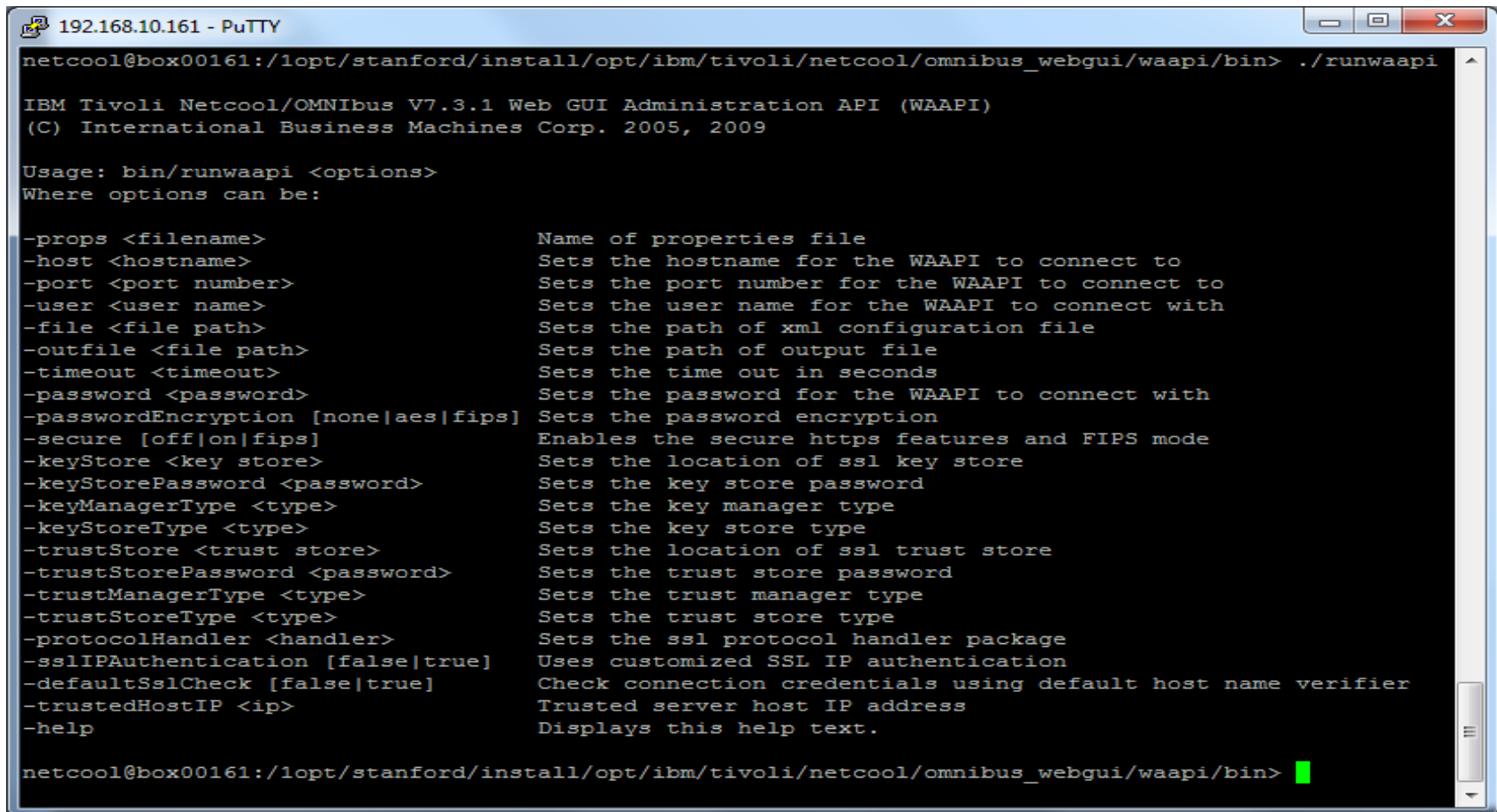
Map

Done

FILTERPAGE (i.e. MyFilters)

What is Web GUI Administration API (WAAPI)

- API to manage the Web GUI components via command line



```
192.168.10.161 - PuTTY
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus_webgui/waapi/bin> ./runwaapi

IBM Tivoli Netcool/OMNibus V7.3.1 Web GUI Administration API (WAAPI)
(C) International Business Machines Corp. 2005, 2009

Usage: bin/runwaapi <options>
Where options can be:

-props <filename>           Name of properties file
-host <hostname>           Sets the hostname for the WAAPI to connect to
-port <port number>       Sets the port number for the WAAPI to connect to
-user <user name>        Sets the user name for the WAAPI to connect with
-file <file path>        Sets the path of xml configuration file
-outfile <file path>     Sets the path of output file
-timeout <timeout>       Sets the time out in seconds
-password <password>     Sets the password for the WAAPI to connect with
-passwordEncryption [none|aes|fips] Sets the password encryption
-secure [off|on|fips]    Enables the secure https features and FIPS mode
-keyStore <key store>    Sets the location of ssl key store
-keyStorePassword <password> Sets the key store password
-keyManagerType <type>   Sets the key manager type
-keyStoreType <type>     Sets the key store type
-trustStore <trust store> Sets the location of ssl trust store
-trustStorePassword <password> Sets the trust store password
-trustManagerType <type> Sets the trust manager type
-trustStoreType <type>   Sets the trust store type
-protocolHandler <handler> Sets the ssl protocol handler package
-sslIPAuthentication [false|true] Uses customized SSL IP authentication
-defaultSslCheck [false|true] Check connection credentials using default host name verifier
-trustedHostIP <ip>     Trusted server host IP address
-help                   Displays this help text.

netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus_webgui/waapi/bin>
```

Setting up WAAPI

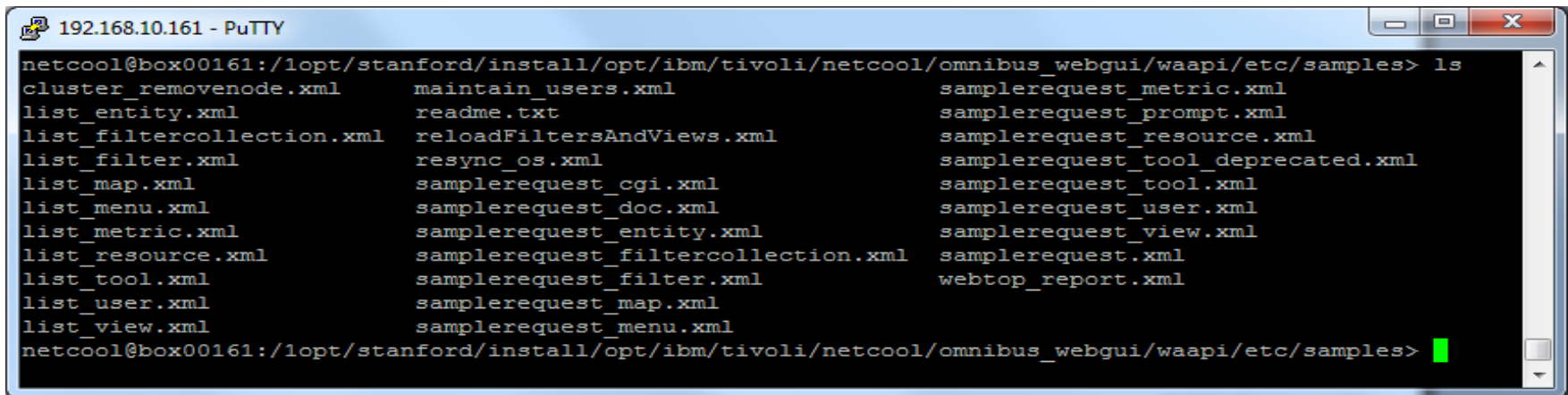
- Modify WEBGUI_HOME/waapi/etc/waapi.init

```
waapi.host:192.168.10.161
waapi.port:16310
waapi.secureport:16311
waapi.contextpath:/ibm/console/webtop
waapi.user:root
waapi.password:netcool
waapi.password.encryption:none
waapi.file:
waapi.timeoutsecs: 600
```

Learning WAAPI

- Check the samples

WEBGUI_HOME/waapi/etc/samples



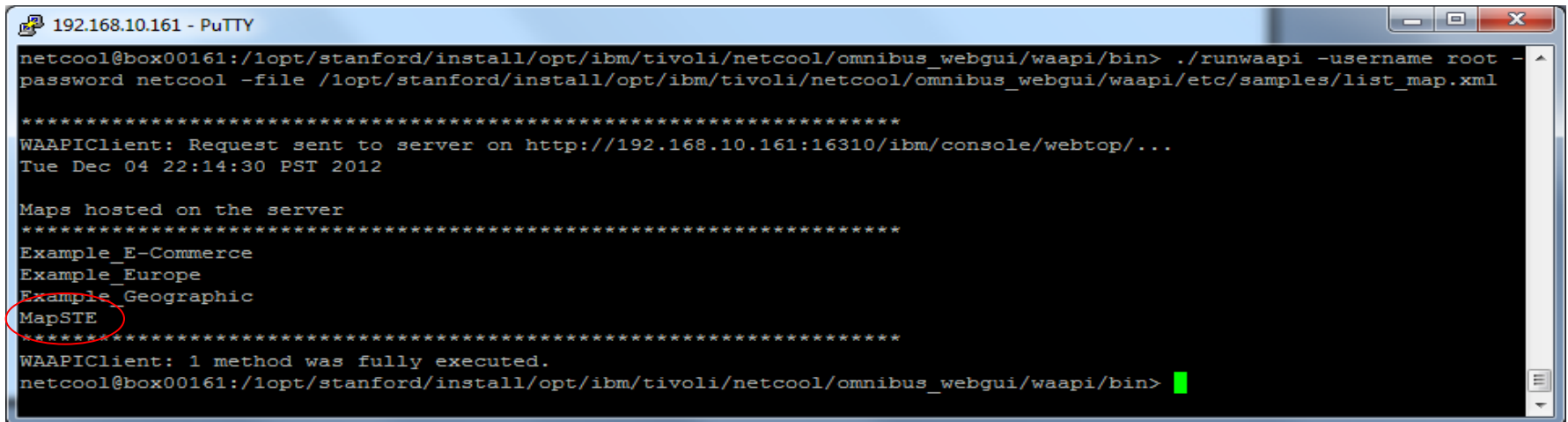
```
192.168.10.161 - PuTTY
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus_webgui/waapi/etc/samples> ls
cluster_removentnode.xml      maintain_users.xml          samplerequest_metric.xml
list_entity.xml              readme.txt                  samplerequest_prompt.xml
list_filtercollection.xml    reloadFiltersAndViews.xml  samplerequest_resource.xml
list_filter.xml              resync_os.xml              samplerequest_tool_deprecated.xml
list_map.xml                 samplerequest_cgi.xml      samplerequest_tool.xml
list_menu.xml                samplerequest_doc.xml      samplerequest_user.xml
list_metric.xml              samplerequest_entity.xml   samplerequest_view.xml
list_resource.xml            samplerequest_filtercollection.xml samplerequest.xml
list_tool.xml                samplerequest_filter.xml   webtop_report.xml
list_user.xml                samplerequest_map.xml
list_view.xml                samplerequest_menu.xml
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus_webgui/waapi/etc/samples>
```

- DTD file

WEBGUI_HOME/waapi/etc/docs/waapi.dtd

Using WAAPI

- WEBGUI_HOME/waapi/bin/runwaapi -user <name> -password <pwd> -file /path/to/file.xml



```
192.168.10.161 - PuTTY
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus_webgui/waapi/bin> ./runwaapi -username root -
password netcool -file /lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus_webgui/waapi/etc/samples/list_map.xml

*****
WAAPIClient: Request sent to server on http://192.168.10.161:16310/ibm/console/webtop/...
Tue Dec 04 22:14:30 PST 2012

Maps hosted on the server
*****
Example_E-Commerce
Example_Europe
Example_Geographic
MapSTE
*****
WAAPIClient: 1 method was fully executed.
netcool@box00161:/lopt/stanford/install/opt/ibm/tivoli/netcool/omnibus_webgui/waapi/bin>
```


What is User Sync

- ObjectServer needs the usernames, so that Web GUI tools can be used.
- Copy usernames from external repositories to ObjectServer

Steps:

- Ensure you have the latest patch
- Remove ObjectServer from Realm and Federated Repository. (Should have started with WIMFile, so that we do not have to do clean up)
- Add LDAP server details
- Check server.init
- Check dci-security.properties
- Check wimconfig.xml

Install latest FixPack

- FixPacks
 - Keep up the FixPacks
 - Cumulative
 - Installed in silent mode only. Websphere Update Installer (WUI) may be needed.
 - Always backup
- TestFixes
 - Usually based on the most recent FP
 - Installation usually involve replacing files
 - Version is displayed in the System Information, but not in listIU output

System Information for Tivoli Netcool/OMNIBus Web GUI

```
*****  
Tivoli Netcool/OMNIBus Web GUI DATA REPORT START  
*****
```

```
Wed Dec 5 09:42:44 PST 2012
```

```
Tivoli Netcool/OMNIBus Web GUI Server Version
```

```
*****
```

```
Tivoli Netcool/OMNIBus Web GUI: 7.3.1.4
```

```
IBM Tivoli Netcool/OMNIBus V7.3.1.4 Web GUI fixpack 4build 542 (04:29 May 22 2012)
```

Web GUI 7.3.1.4 = 7.3.1 FP4



Websphere Admin Console

- Load the WebSphere Admin Console

The screenshot shows the Tivoli Integrated Portal interface. The main navigation pane on the left is expanded to show the 'Settings' section, where 'WebSphere Administrative Console' is highlighted with a red box. A red arrow points from this menu item to the 'WebSphere Administrative Console' tab in the main content area. Another red arrow points from the 'WebSphere Administrative Console' tab to the 'Global security' option in the 'Integrated Solutions Console' pane on the right. The 'Global security' option is also highlighted with a red box. The 'Integrated Solutions Console' pane shows a tree view with 'Security' expanded to show 'Global security' and 'SSL certificate and key management'. Below this, the 'Troubleshooting' section is visible with options like 'Logs and trace', 'Configuration problems', 'Configuration Validation', and 'Runtime Messages'. The rightmost pane shows a 'Welcome' message and a 'Suite Name' input field.

Removing ObjectServer from realm

- Remove ObjectServer from “Repositories in the real”

Cell=TIPCell, Profile=TIPProfile

Global security

Use this panel to configure administration and the default application security administrative functions and is used as a default security policy for user applications.

Security Configuration Wizard Security Configuration Report

Administrative security

Enable administrative security

- [Administrative user roles](#)
- [Administrative group roles](#)
- [Administrative authentication](#)

Application security

Enable application security

Java 2 security

Use Java 2 security to restrict application access to local resources

Warn if applications are granted custom permissions

Restrict access to resource authentication data

User account repository

Current realm definition
Federated repositories

Available realm definitions
Federated repositories

Repositories in the realm:

Select	Base Entry	Repository Identifier	Repository Type
You can administer the following resources:			
<input type="checkbox"/>	o=defaultWIMFileBasedRealm	InternalFileRepository	File
<input checked="" type="checkbox"/>	o=netcoolObjectServerRepository	NetcoolObjectServer	Custom

Additional Properties

- [Property extension repository](#)
- [Entry mapping repository](#)
- [Supported entity types](#)

Related Items

- [Manage repositories](#)
- [Trusted authentication realms - inbound](#)

Removing ObjectServer from Federated Repository

- Delete NetcoolObjectServer

Cell=TIPCell, Profile=TIPProfile





Global security

[Global security](#) > [Federated repositories](#) > [Manage repositories](#)

Repositories that are configured in the system are listed in the following table. You can add or delete external repositories.

⊕ Preferences

Add Delete

Select	Repository Identifier	Repository Type
You can administer the following resources:		
	InternalFileRepository	File
<input checked="" type="checkbox"/>	NetcoolObjectServer	Custom:null

Total 2

Modify Support Entity Types

■ Modify Support Entity Types

Cell=TIPCell, Profile=TIPProfile

Global security

Global security > Federated repositories

By federating repositories, identities stored in multiple repositories can be managed in a sin realm. The realm can consist of identities in the file-based repository that is built into the sy one or more external repositories, or in both the built-in repository and one or more extern repositories.

General Properties

* Realm name
TIPRealm

* Primary administrative user name
tipadmin

Server user identity

Automatically generated server identity
 Server identity that is stored in the repository
Server user ID or administrative user on a Version 6.0 node

Ignore case for authorization

Repositories in the realm:

Select	Base Entry	Repository Identifier	Repository Type
<input type="checkbox"/>	o=defaultWIMFileBasedRealm	InternalFileRepository	File

Additional Properties

- [Property extension repository](#)
- [Entry mapping repository](#)
- [Supported entity types](#)

Related Items

- [Manage repositories](#)
- [Trusted authentication realms - inbound](#)

Cell=TIPCell, Profile=TIPProfile

Global security

Global security > Federated repositories > Supported entity types

Use this page to configure entity types that are supported by the member repositories.

Preferences

Entity Type	Base Entry for the Default Parent	Relative Distinguished Name Properties
You can administer the following resources:		
Group	o=netcoolObjectServerRepository	cn
OrgContainer	o=netcoolObjectServerRepository	o;ou;dc;cn
PersonAccount	o=netcoolObjectServerRepository	uid
Total 3		

Cell=TIPCell, Profile=TIPProfile

Global security

Global security > Federated repositories > Supported entity types

Use this page to configure entity types that are supported by the member repositories.

Preferences

Entity Type	Base Entry for the Default Parent	Relative Distinguished Name Properties
You can administer the following resources:		
Group	o=defaultWIMFileBasedRealm	cn
OrgContainer	o=defaultWIMFileBasedRealm	o;ou;dc;cn
PersonAccount	o=defaultWIMFileBasedRealm	uid
Total 3		

Sample LDAP Server

- Microsoft Active Directory 2003

The screenshot shows the Microsoft Active Directory Users and Computers console. The left pane displays a tree view of the domain structure, including folders for Saved Queries, Built-in, Computers, Domain Controllers, ForeignSecurityPrincipals, IBM, and Users. A red line points from the 'IBM' folder to a blue callout box. The right pane shows a list of 13 objects in the L2 container, with columns for Name, Type, and Description.

Name	Type	Description
Alpha Numero	InetOrgPerson	
Email Distribution	Distribution Gro...	
GroupA	Distribution Gro...	
groupa1	InetOrgPerson	
GroupB	Distribution Gro...	
groupb1	InetOrgPerson	
John Doe	InetOrgPerson	
Lee's Summit	Security Group ...	
Robert De Niro	InetOrgPerson	
Sacramento	Security Group ...	
San Francisco	Security Group ...	
Thomas Watson	InetOrgPerson	

Domain = us.ibm.com

Add LDAP server details

CN=Administrator,CN=Users,DC=us,DC=ibm,DC=com

Global security > Federated repositories > Manage repositories > New

Specifies the configuration for secure access to a Lightweight Directory Access Protocol (LDAP) repository with optional failover servers.

General Properties

* Repository identifier
AD2003

LDAP server

* Directory type
Microsoft Windows Active Directory

* Primary host name
192.168.10.192

Port
389

Failover server used when primary is not available:

Select	Failover Host Name	Port
None		

Add

Support referrals to other LDAP servers
ignore

Security

Bind distinguished name
CN=Administrator,CN=Users,DC=us,DC=ibm,DC=com

Bind password

Login properties
uid

LDAP attribute for Kerberos principal name

Certificate mapping
EXACT_DN

Certificate filter

Require SSL communication

Centrally managed

[Manage endpoint security](#)

Use specific SSL alias

Active Directory Users and Computers

File Action View Window Help

Active Directory Users and Computers

Users 17 objects

Name	Type	Description
Administrator	User	Built-in account for administrative tasks
CekyPublishers	Security Group ...	Members of this group are ...
DnsAdmins	Security Group ...	DNS Administrators Group
DnsUpdateProxy	Security Group ...	DNS clients who are permi...
Domain Admins	Security Group ...	Designated administrators...
Domain Computers	Security Group ...	All workstations and serve...
Domain Controllers	Security Group ...	All domain controllers in th...
Domain Guests	Security Group ...	All domain guests
Domain Users	Security Group ...	All domain users
Enterprise Admins	Security Group ...	Designated administrators...
Group Policy Creator Owners	Security Group ...	Members in this group can...
Guest	User	Built-in account for guest ...
HelpServicesGroup	Security Group ...	Group for the Help and Su...
RAS and IAS Servers	Security Group ...	Servers in this group can ...
Schema Admins	Security Group ...	Designated administrators...
SUPPORT_388945a0	User	This is a vendor's account ...
TelnetClients	Security Group ...	Members of this group ha...

Global security > Federated repositories > Manage repositories

Repositories that are configured in the system are listed in the following table. You can administer external repositories.

Preferences

Select	Repository Identifier	Repository Type
<input type="checkbox"/>	AD2003	LDAP:AD
<input type="checkbox"/>	InternalFileRepository	File

You can administer the following resources:

Total 2

Apply OK

Add LDAP to realm

Global security > Federated repositories

By federating repositories, identities stored in multiple repositories can be added to a realm. The realm can consist of identities in the file-based repository, one or more external repositories, or in both the built-in repository and external repositories.

General Properties

* Realm name
TIPRealm

* Primary administrative user name
tipadmin

Server user identity

Automatically generated server identity

Server identity that is stored in the repository

Server user ID or administrative user on a Version 6.0.x node
Password

Ignore case for authorization

Repositories in the realm:

Select	Base Entry	Repository Identifier
<input type="checkbox"/>	o=defaultWIMFileBasedRealm	InternalFileRepository

Global security > Federated repositories > Repository reference

Specifies a set of identity entries in a repository that are referenced by a base entry into the directory information tree. If multiple repositories are included in the same realm, it might be necessary to define an additional distinguished name that uniquely identifies this set of entries within the realm.

General Properties

* Repository
AD2003

* Distinguished name of a base entry that uniquely identifies this set of entries in the realm
OU=L2,OU=IBM,DC=us,DC=

Distinguished name of a base entry in this repository
OU=L2,OU=IBM,DC=us,DC=

OU=L2,OU=IBM,DC=us,DC=ibm,DC=com

Repositories in the realm:

Select	Base Entry	Repository Identifier	Repository
<input type="checkbox"/>	OU=L2,OU=IBM,DC=us,DC=ibm,DC=com	AD2003	LDAP:AD
<input type="checkbox"/>	o=defaultWIMFileBasedRealm	InternalFileRepository	File

User account repository

Current realm definition
Federated repositories

Available realm definitions
Federated repositories

Apply LDAP filter

The screenshot displays the IBM Global Security console interface. The breadcrumb navigation path is: **Global security > Federated repositories > Manage repositories > AD2003 > LDAP entity types**. The main content area shows a list of entity types under the heading "You can administer the following resources". The "Group" entity type is selected and highlighted with a red box. A red arrow points from this box to the configuration panel for the "Group" entity type. This panel includes a "Search filter" field containing the LDAP query `(ObjectCategory=Group)`. Other fields include "Entity type" (set to "Group"), "Object classes" (set to "group"), and "Search bases". Buttons for "Apply", "OK", "Reset", and "Cancel" are located at the bottom of the configuration panel.

Microsoft LDAP Query Basics:

<http://technet.microsoft.com/en-us/library/aa996205%28v=exchg.65%29.aspx>

Check server.init

- WEBGUI_HOME/etc/server.init

users.reload.mode:1

groups.reload.mode:1

users.credentials.sync:true

users.credentials.sync.groupname:vmmusers

Check dci-security.properties

- WEBGUI_HOME/etc/dci-common/security/dci-security.properties

security.log.level=FINEST

login.property:uid

group.property:cn

Check wimconfig.xml

- TIPHOME/profiles/TIPProfile/config/cells/TIPCell/wim/config/wimconfig.xml
- wimconfig.xml also contains the LDAP server settings.
- You may need to increase maxSearchResults to fit your LDAP server (i.e total groups/users).

```
<sdo:datagraph xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:config="http://www.ibm.com/websphere/wim/config" xmlns:sdo="commonj_sdo">
  <config:configurationProvider maxPagingResults="500" maxSearchResults="4500" maxTotalPagingResults="1000"
    pagedCacheTimeOut="900" pagingEntityObject="true" searchTimeOut="600000">
```

Log:

TIPHOME/profiles/TIPProfile/logs/dci-common/OMNibusWebGUI/dci-security.log

Check Manage Groups and Manage Users

- Restart TIP for the settings to take effect

WIM Group Management Manage Groups

Search for Groups

Search by * Search for * Maximum results

6 groups matched the search criteria.

Select	Group name	Description
<input type="checkbox"/>	Email Distribution	CN=Email Distribut
<input type="checkbox"/>	GroupA	CN=GroupA,OU=L
<input type="checkbox"/>	GroupB	CN=GroupB,OU=L
<input type="checkbox"/>	Lee's Summit	CN=Lee's Summit,
<input type="checkbox"/>	Sacramento	CN=Sacramento,O
<input type="checkbox"/>	San Francisco	CN=San Francisco,

Page 1 of 1

WIM User Management Manage Users

Search for Users

Search by * Search for * Maximum results

8 users matched the search criteria.

Select	User ID	First name	Last name	E-mail	Unique Name
<input type="checkbox"/>	\$a1.b2.c3_d4	Alpha Numero	Numero		CN=Alpha Numero,OU=L2,OU=IBM,DC=us,DC=,DC=com
<input type="checkbox"/>	RDNiro	Robert De Niro	De Niro		CN=Robert De Niro,OU=L2,OU=IBM,DC=us,DC=,DC=com
<input type="checkbox"/>	groupa1	groupa1			CN=groupa1,OU=L2,OU=IBM,DC=us,DC=,DC=com
<input type="checkbox"/>	groupb1	groupb1			CN=groupb1,OU=L2,OU=IBM,DC=us,DC=,DC=com
<input type="checkbox"/>	idoe	John Doe	Doe		CN=John Doe,OU=L2,OU=IBM,DC=us,DC=,DC=com
<input type="checkbox"/>					CN=,OU=L2,OU=IBM,DC=us,DC=,DC=com
<input type="checkbox"/>	tipadmin	tipadmin	tipadmin		uid=tipadmin,o=defaultWIMFileBasedRealm
<input type="checkbox"/>	twatson	Thomas Watson	Watson		CN=Thomas Watson,OU=L2,OU=IBM,DC=us,DC=,DC=com

Add Group Roles

- Easier to maintain when roles are tied to groups

The screenshot shows a 'Group Roles' dialog box for the 'Sacramento' group. The 'Available Roles' section lists several roles with checkboxes. The 'Roles' section shows the roles assigned to the group: ncw_admin, ncw_user, netcool_ro, and netcool_rw. The 'Save' button is circled in red. A table below the dialog shows the final configuration for all groups.

Group Name	Roles	Unique Name
GroupB		CN=GroupB,OU=L2,OU=IBM,DC=us,
Lee's Summit		CN=Lee's Summit,OU=L2,OU=IBM,D
Sacramento	ncw_user, ncw_admin, netcool_rw	CN=Sacramento,OU=L2,OU=IBM,DC
San Francisco		CN=San Francisco,OU=L2,OU=IBM,D

Check ObjectServer

- Restart TIP
- Check ObjectServer Users and Groups

The screenshot displays two windows from the ObjectServer interface. The top window shows the 'Users' table, and the bottom window shows the 'Groups' table.

Users Table:

Name	Full Name	Type	ID	Extern...	Enabled
\$a1.b2.c3_d4	Alpha Numero Numero	Normal	5	✗ false	✗ false
RDNiro	Robert De Niro De Niro	Normal	4	✗ false	✗ false
ncoadmin	ncoadmin tivoli	Normal	1	✗ false	✓ true
ncouser	ncouser tivoli	Normal	2	✗ false	✓ true
nobody	Nobody	Unknown	65534	✗ false	✗ false
root	Root User	Super User	0	✗ false	✓ true
		Normal	3	✗ false	✗ false
twatson	Thomas Watson Watson	Normal	6	✗ false	✗ false

Groups Table:

Name	Description	ID	System
Administrator	Admin Group	2	✓ true
Gateway	Permissions required for a gateway user	5	✗ false
ISQL	Read only ISQL access	7	✗ false
ISQLWrite	Write ISQL access	6	✗ false
Netcool_OMNibus_Admin		9	✗ false
Netcool_OMNibus_User		8	✗ false
Normal	Normal Group	3	✓ true
Probe	Permissions required for a probe user	4	✗ false
Public	Public Group	0	✓ true
Sacramento	VMM synchronised groups	12	✗ false
San Francisco	VMM synchronised groups	11	✗ false
System	System Group	1	✓ true
vmmusers	Group to manage VMM users	10	✗ false

TIP 2.2

- i.e. Feature Pack, Refresh Pack
- Web GUI

Provides support for JRE 7, Firefox ESR 10, IE 9, SUSE Enterprise Server SP2

Required for Web GUI 7.3.1 FP5

<http://www-01.ibm.com/support/docview.wss?uid=swg24032240>

- Latest version: TIP 2.2.0.9
- Sample Install Session:

<http://www-01.ibm.com/support/docview.wss?uid=swg21614242>

Links

- Docs:

http://publib.boulder.ibm.com/infocenter/tivihelp/v8r1/topic/com.ibm.netcool_OMNibus.doc_7.3.1/omnibus/wip/welcome.htm

- RFE (enhancement request):

<http://www.ibm.com/developerworks/rfe/>